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VEGETABLE
SEED TRIALS
HORTICULTURE
JAN 13 1933

New Wilt-Resistant Asters—See Page 13. New Giant Imperial Larkspurs—See Page 25.

LIVINGSTON'S 1933 SEED ANNUAL

THE LIVINGSTON SEED COMPANY

Famous for Best Seeds Since 1850

32-36 EAST SPRING STREET · · · · · · COLUMBUS, OHIO

Marigold, Guinea Gold

A New Distinct Type

A BRILLIANT orange flower flushed with gold, practically 100% semi-double and double, ruffled, with loose placed petals. Has graceful pyramidal habit of growth, 2 to 2½ feet high, with 30 to 40 flowers to a plant. The characteristic Marigold odor is much less noticeable in this variety. It is creating a sensation among flower growers and you should by all means have it in your garden this season.

Pkt., 15 cts. 1/16 oz., 30 cts. 1/8 oz., 50 cts. 1/4 oz., 85 cts. Postpaid.

Petunia

New Alldouble Giant Fringed

WE ARE convinced that this Petunia is an unapproached improvement in this flower. The introducer states that it comes 100% true double with about 75% giant double and the remainder medium sized "Carnation Flowered." Our own trials last year substantiated this. The flowers are beautifully fringed and ruffled and contain a good range of brilliant and suffused colors. If you like Petunias now you'll truly love them after growing this new one.

Limited supply of seed, offered in packets only.

Pkt., 50 cts. Postpaid.

Nasturtium

Sweet Scented Golden Gleam

FIRST introduced last year and was the greatest sensation of recent introductions. The plant is vigorous, bushy, 2 feet high. The flowers, when fully in bloom are 2 to 2½ inches across and cover the entire plant with a blaze of golden color. They are semi-double and have long stiff stems which makes them excellent cut-flowers. An average size bouquet will completely fill a room with its fragrance in a short period of time.

Pkt., 15 cts. 1/4 oz., 30 cts. Oz., 85 cts. Postpaid.

ORDER SHEET

The Livingston Seed Co. Columbus, Ohio

Date ..... , 1933

Name .....

Post Office .....

R.F.D. No. ....., Box No. ....., State .....

Street .....

Ship to Station .....

If You Have Moved During the Year Give Us Your Old Address

Here .....

AMOUNT ENCLOSED

Money Order - $ .....

Check - - - - .....

Bank Draft - - .....

Stamps - - - - .....

Cash - - - - - .....

Date Rec'd .....

Gathered by .....

Checked by .....

Wrapped by .....

Date sent ..... P. .....

PLEASE ANSWER

Are you a Commercial Florist? ..... M.G. ..... D. .....

Are you a Market Gardener? ..... F.S. ..... R. .....

While we accept stamps in payment for small orders, the Postal Dept. asks that we discourage their use. When at all possible, remit by Check or Money Order.

We, THE LIVINGSTON SEED COMPANY, give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

We Pay Transportation on All Seed quoted in this Catalog. Shipments will be made free of all transportation and packing charges by prepaid mail, express or freight (our option), to any point in the United States proper. This does not include other items quoted "F.O.B." Columbus or "not paid."

QUANTITY	NAME OF VARIETIES WANTED Place One Variety Only to a Line	PRICES	
		Dollars	Cents
	TOTAL CARRIED FORWARD		

QUANTITY	NAME OF VARIETIES WANTED Place One Variety Only to a Line	PRICES Dollars	 Cents
	TOTAL BROUGHT FORWARD		
	TOTAL		

1850 83rd Year 1933

THE LIVINGSTON SEED CO.

Three Generations of Seedsmen

We Livingstons are of Scotch-Irish descent. Our great great grandfather came from New York to settle at what is now Reynoldsburg, Ohio, a short distance from Columbus, in the early pioneer days of 1815. In 1822 a son, Alexander W. Livingston, was born and he was reared to a life of pioneer farming, working for 30 cents a day but gaining information and acquiring foresight which was destined to become invaluable to all mankind. In 1850 he entered the seed business as a grower and seller and this was the beginning of The Livingston Seed Company.

Under his able guidance and honest dealings the business prospered. In 1870 he introduced the first modern Tomato (Paragon). Since that time Livingstons have introduced more than 30 new worth while varieties of Tomatoes, the latest of which is our "Giant Oxheart," the big Tomato everybody is talking about. We feel proud of our achievements with Tomatoes and other vegetables.

Today Mr. Robert Livingston, a son, who opened the first seed store in Columbus in the late seventies, is still well and active at the age of 84 years. The business, however, is ably guided by his son, A. Wilmer Livingston, and the same good old pioneer policy of "Honest Dealings" still prevails.

BETTER NONE

The Sign of Highest Quality in TOMATO SEED

This U. S. registered Trade Mark Seal is used on all packages containing tomato seed of our own introduction and growing.

You will make no mistake when you buy Tomato Seed under this seal.

Charlie Riggle, Allegheny County, Pa.: *"I used your seeds for the first time last year and found them of highest quality."*

"TRUE BLUE" 7/3 SEEDS

The Sign of Highest Quality VEGETABLE and FLOWER SEEDS

This "True Blue" emblem is on each package of Vegetable and Flower Seeds we send out. Buy your seeds in packages bearing this emblem and be assured of "True Blue" quality at a fair price.

Zada Johnson, Fremont County, Colorado, writes: *"I have used your seeds for 30 years. There are none better."*

This New 1933 Book is Distinctly Different

This year we have tried to give you the best book we have ever published. From cover to cover it is entirely new. There are many interesting and true to life illustrations. The type is of such a readable size that grandmother will heartily enjoy it and the wording so simplified that the children will understand and profit by it.

For some time we have sought for a cover that would truly reflect the quality of our seed and the efficiency of our service. With a new process which has never before been used on a seed catalog cover, we feel that this has been attained.

You should find it very convenient to plan your garden with this book. We give complete cultural directions on both Flowers and Vegetables in such a way that you can plan the planting of any given area and execute the work to a profitable and successful finish.

We hope this book, our silent visitor, brings us closer together and we trust that your desire in having and our pleasure in sending it will be mutually beneficial.

FREE TRANSPORTATION IN UNITED STATES

Presents a New and Easy Way to Order by Mail

All seed quoted in this Catalog will be shipped by Parcel Post, Express, or Freight, our option, transportation and packing charges paid by us, to any point in the United States proper, regardless of amount or distance. The quoted price is the delivered price—no worry or bother figuring postage and other charges. Transportation charges cannot be claimed as a discount on seed purchased at our retail store.

QUICK SERVICE THAT WILL PLEASE YOU

All day and night trains, planes and buses are leaving Columbus to all points in the United States. Practically every one carries Livingston's "True Blue" Seeds to thousands of homes throughout our Country. Being located next door to the Parcel Post and Express Stations, we are in a position to give you "Quick, Courteous Service" that you will like.

Important Ordering Suggestions

FREE TRANSPORTATION ON ALL SEED ANYWHERE IN THE UNITED STATES PROPER

All seeds quoted in this Catalogue are now shipped by Parcel Post, Express, or Freight (our option); all transportation and packing charges paid by us. The only items on which you must figure or pay transportation are those marked "F. O. B. Columbus" or "Not prepaid," and they are few.

TWO ORDER BLANKS AND AN ENVELOPE are inclosed with this Catalog for your convenience. Additional Order Blanks and Envelopes will be sent on request. Print or write your Name, Post Office, County, and State plainly. If you have moved, give us your old address and we will change our mailing-list.

SEND MONEY. Remittance should always accompany the order. Remittances may be made at **our risk** by any of the following methods (1st and best) **Post Office Order;** (2d) **Bank Draft;** (3d) **Express Company Money Order;** (4th) **Cash by Express in amounts not less than $5;** (5th) **Registered Letters.** We also accept stamps in payment but the Postal Department asks us to discourage their use.

SHIPPING ORDERS. When goods are to be shipped by Freight or Express, give plain shipping directions; otherwise we use our best judgment in routing. Goods on which we pay transportation are shipped at our option.

NON-WARRANTY. Contingencies continually arising prevents the very best seeds always giving satisfaction. For these reasons, it is impossible to guarantee seeds under all circumstances; therefore We, The Livingston Seed Company, give no warranty, expressed or implied, as to description, quality, productiveness or any other matter of any seeds, bulbs, or plants we sell, and will not be in any way responsible for the crop. **We test all our seeds before sending them to our customers,** and should they fail to grow if properly tested by the customer, will replace them or give value in others.

PARCEL POST RATES. Where you must remit postage, ask your postman what zone you are in from Columbus, and using the figures under that zone, multiply the number of pounds by the first figure and add the second and remit that amount in cents. Fractions of a cent count as a full cent.

1st & 2nd Zone	3rd Zone	4th Zone	5th Zone	6th Zone	7th Zone	8th Zone
1.1 & 8	2 & 7	3½ & 6½	5.3 & 5.7	7 & 5	9 & 5	11 & 4

SEE COMPLETE INDEX ON PAGE 80

Livingston's Novelties, Specialties

Isaac House Scabiosa

NEW WILT-RESISTANT SEMPLE'S ASTERS

See colored illustration on front cover and see page 13.

3161 **White** 3163 **Azure Blue**
3162 **Shell-pink** 3164 **Purple**
3165 **Crimson**

Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛ oz. 50 cts.

SCABIOSA,
Caucasica Isaac House Strain

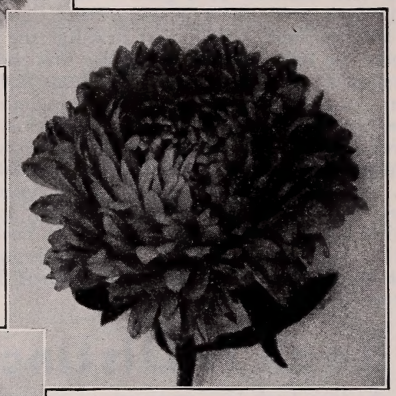
6138—A new improved strain of this perennial. More vigorous, stronger and longer stems and larger flowers, all ruffled and frilled.

Pkt. 20 cts.; 1/16oz. 40 cts.

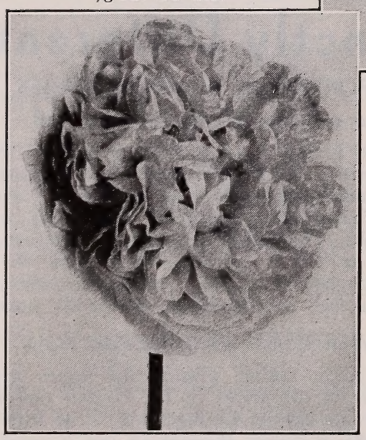
NEW HOLLYHOCK DOUBLE TRIUMPH

3808—Branching habit; stems studded with waved flowers of many colors.

Pkt. 15 cts.; ⅛ oz. 30 cts.



Semple's Late Branching Aster



Sweet Briar Poppy

SWEET BRIAR POPPY

6031—New Shirley double Begonia-flowered novelty. A delightful shade of deep rose-pink with satiny petals all crinkled and crumpled.

Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛ oz. 50 cts.

VERBENA
Hybrida Grandiflora Luminosa

6364—New strain with immense trusses of flowers of a flaming pink, shading to salmon.

Pkt. 15c.; ⅛ oz. 30c.; ¼ oz. 50c

GUINEA GOLD MARIGOLD
An Outstanding Novelty

3935—A new and distinct type of pyramidal habit. The flowers are a brilliant shade of orange flushed with gold; double ruffled with loose-leaf petal formation. Comes practically 100% semi-double. The characteristic Marigold odor is much less noticeable in this variety. Illustrated in color on inside front cover.

Pkt. 15 cts.; 1/16 oz. 30 cts.; ⅛ oz. 50 cts.; ¼ oz. 85 cts.

OUR NEW PETUNIA ALLDOUBLE GIANT FRINGED

5067—Immense all double flowers in mixed colors. Every one of them is beautifully ruffled and fringed and 100 percent double. Absolutely the best we have ever grown or seen. More fully described and illustrated in color on inside front cover.

Limited supply of seed.
Pkt. 50 cts.

NASTURTIUM BODGER'S NEW SWEET-SCENTED GOLDEN GLEAM

4100—This new novelty has created a sensation in the flower world. The very fragrant flowers are semi-double, have long stiff stems, and cover the entire plant with a blaze of golden-yellow. More fully described and illustrated on inside front cover.

Pkt. 15 cts.; ¼ oz. 30 cts.; oz. 85 cts.

NEW GIANT IMPERIAL BASE BRANCHING LARKSPURS

A great improvement in annual Larkspurs. Base-branching; upright and long flower spikes; ideal for cut-flowers or garden decoration. Illustrated in color on front cover.

3873 **Blue Spire** 3877 **Carmine King**
3874 **Lilac Spire** 3879 **Miss Calif.**
3875 **White Spire** 3881 **Mixed Colors**

Pkt. 15c.; ⅛ oz. 35c.; ¼ oz. 50c

NEW CROWN O' GOLD ZINNIA

6488—So called because each flower petal is overlaid with deep golden-yellow at the base and carries out the individual flower color at the tip, making a two-tone color harmony in each flower. A very pleasing variety for cutting. Of the Dahlia-flowered type and contains many popular shades and colors.

Pkt. 15 cts.; ⅛ oz. 35 cts.; ¼ oz. 60 cts.

MARIGOLD NEW ORANGE ALLDOUBLE

3936—A new recent development in African Marigolds. Large, beautiful double orange flowers; called Alldouble because a large percent of them come double. (Illus. page 26.)

Pkt. 15 cts.; ⅛ oz. 30 cts.; ¼ oz. 50 cts.

THE DAZZLER GAILLARDIA

3698—A new improved strain of the giant-flowered perennial type. Vigorous grower and profuse bloomer. Large flowers with orange petals and dark red centers. (Illus. page 22.)

Pkt. 15 cts.; ⅛ oz. 30 cts.; ¼ oz. 50 cts.

New Crown O' Gold Zinnias

and Recent Flower Introductions

NEW SPENCER SWEET PEA—LADY GAY

6257—A new addition to the extra-early flowering types. Robust and vigorous grower; color a shrimp-pink; blooms, beautifully waved.

Pkt. 15c; ½ oz. 35c; oz. 65c

SWISS GIANT PANSIES

5020—Mixture of a mammoth new strain of recent introduction, coming direct from Switzerland. Long, stiff stems and well rounded, perfectly shaped flowers, up to 3½ inches across, with thick velvety petals. Includes wide range of colors and markings. The blooms retain their size almost throughout the season. Illustrated on page 30.

Pkt. 35c; 1/16oz. $1; ⅛ oz. $1.75

Lady Gay Sweet Peas

CHILDREN'S FLOWER GARDEN MIXTURE

6490—Makes a delightful Wild Garden where children can pick bouquets to their heart's content. Fine for unsightly spots. Just sow seed outside after frost and watch them grow.

Pkt. 10c; oz. 30c; ¼ lb. 75c

PERENNIAL FLOWER SEED COLLECTION 50c

Aquilegia, Mixed
Campanula, Prize Mixed
Coreopsis, lanc.
Daisy, Shasta
Digitalis, monstrosa
Pinks, H'dy Garden
Poppy, Lg. Oriental
Sweet William, Mixed

Purchased separately would cost 80c

BRIGHT ARRAY COLLECTION 50c

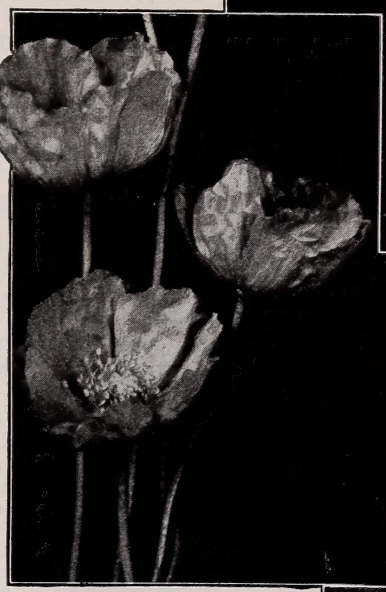
Alyssum, Sweet
Aster, Mixed
Candytuft, Mixed
Nasturtium, Mixed
Pansy, Mixed
Phlox, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

Purchased separately would cost 75c

LIVINGSTON'S CUT-FLOWER COLLECTION OF ANNUALS 40c

Asters, Crego, Mixed
Antirrhinum, Mixed
Zinnia, Dahlia-flowered, Mixed
Larkspur, Tall, Mixed
Scabiosa, Large-flowered, Mixed

Purchased separately would cost 50c



El Monte Poppies

EL MONTE POPPY

New Iceland Variety

6039—Flowers of a deep tangerine orange, borne on long, wiry stems. A fine new hardy variety.

Pkt. 20c; 1/16oz. 35c; ⅛ oz. 50c

DOUBLE ROSE MARIE MORNING GLORY

3999—New novelty. Large blooms, deep rose color.

Pkt. 15c; ⅛ oz. 25c; ¼ oz. 45c

HEAVENLY BLUE MORNING GLORY

4001—This new variety is giving Morning Glories new and deserved popularity. A fine climber, literally covered with lovely flowers of sky blue shading light towards center. Blooms all summer.

Pkt. 15c
¼ oz. 30c
Oz. 75c

Heavenly Blue Morning Glory

Livingston's Rainbow Collection of Annuals

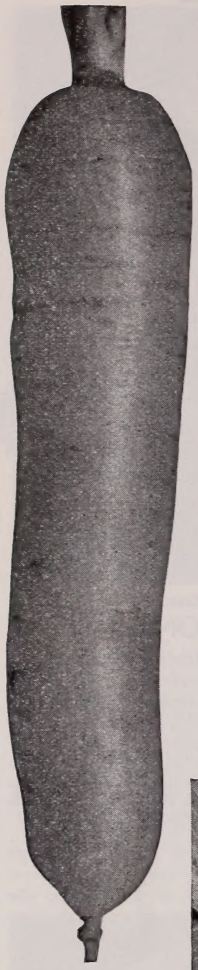
Livingston's Rainbow Collection of Choice Annual Flowers 75c

Asters, Mixed
Bachelor's Buttons, Mixed
Candytuft, Mixed
Cosmos, Mixed
Dianthus, Mixed
Marigold, Mixed
Mignonette, Mixed
Nasturtium, Mixed
Pansy, Mixed
Petunia, Mixed
Phlox, Mixed
Poppies, Mixed
Portulaca, Mixed
Scabiosa, Mixed
Sweet Alyssum
Antirrhinum, Mixed
Sweet Peas, Mixed
Zinnia, Mixed

18 packets of popular varieties. We consider this our biggest money-saving offer.

Purchased separately this collection would cost $1.75

Livingston's Novelties, Specialties



Nantes Half-Long Carrot. One of the finest varieties for slicing or dicing

DETROIT DARK RED BEET

The standard of excellence for home-gardeners and the most popular canning variety known. Roots are smooth, globular and very uniform. Color is a deep blood-red all thru with very inconspicuous zones. Very tender, crisp and sweet and of highest quality.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. $1

NANTES HALF-LONG CARROT

One of the so-called "Coreless" varieties. The best for home use for slicing or dicing. Roots are bright orange; cylindrical, being almost the same size the whole length, and decidedly stump-rooted. Flesh is bright orange, very fine grained and of best quality.

Pkt. 5 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.10

RED-CORED CHANTENAY CARROT

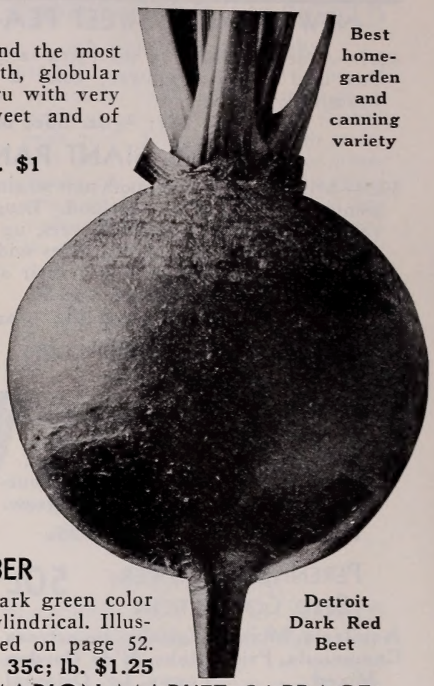
A new strain of Chantenay bred to a coreless type. Flesh is deep orange-red right through to center and is of delicious flavor. Roots are uniform, tapered and stump-rooted.

Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 35 cts.; lb. $1.25

LIVINGSTON'S COLORITE CUCUMBER

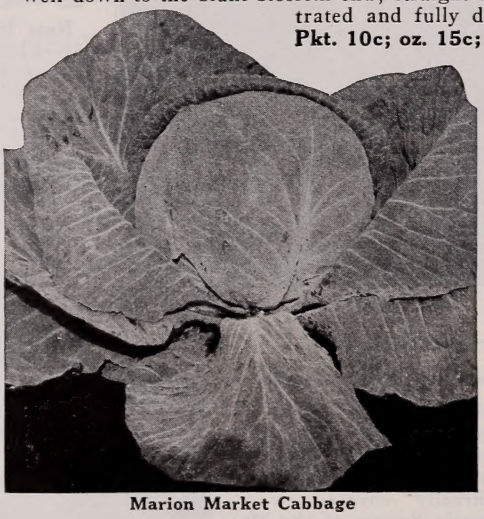
An excellent slicing variety for home use. Rich, dark green color well down to the blunt blossom end; straight and cylindrical. Illustrated and fully described on page 52.

Pkt. 10c; oz. 15c; ¼ lb. 35c; lb. $1.25



Best home-garden and canning variety

Detroit Dark Red Beet



Marion Market Cabbage

MARION MARKET CABBAGE

(Copenhagen Yellows-resistant)

A strain of Copenhagen Market Cabbage which is resistant to "Yellows." The same round, solid head and excellent flavor but matures a few days later. If you have failed on account of Yellows infected soil, try Marion Market.

Pkt. 15c.; ½ oz. 25c.; oz. 40c; ¼ lb. $1.30

RIVERSIDE SWEET SPANISH ONION

An improved strain of the popular Sweet Spanish Onion so highly prized for its mild and delicious flavor. Globe-shaped, attractive yellowish-brown skin; fine keeping qualities. Early spring sowing will produce onions one pound or more in weight. Home gardeners will find it easy to grow.

Pkt. 10c.; ½ oz. 20c; oz. 30c.; ¼ lb. 85c

NEW ASGROW VALENTINE BEAN

A new, entirely stringless, Black Valentine green-podded bush bean, which retains the other good qualities of this good old variety. Pods are 6 to 7 inches long, nearly straight, meaty and of delicious flavor. Seeds are jet black. Very prolific, free from disease and early, making it ideal for home gardens.

Pkt. 10c.; ½ lb. 20c; lb. 40c; 5 lbs. 95c; 10 lbs. $1.80; 25 lbs. $4.25

NEW TENDERGREEN BEAN

A delicious new stringless green-pod bush bean. Pods long, straight, round and very meaty. If you want a truly fine flavored, early snap bean in your garden, try Tendergreen.

Pkt. 10 cts.; ½ lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts; 10 lbs. $1.80; 25 lbs. $4.25

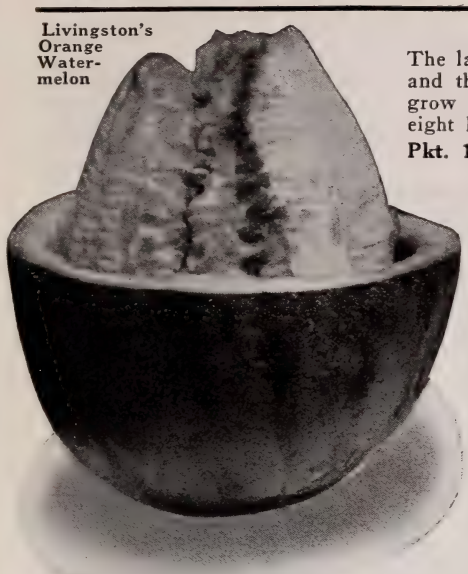
NEW YORK NO.12 LETTUCE

A new strain of New York head Lettuce. The most sure to head of any variety and therefor the best for home gardeners. Large, solid, crisp, round light green heads.

Pkt. 10c.; ½ oz. 15c.; oz. 25c.; ¼ lb. 70c.; lb. $2.25

New York No. 12 Lettuce

and Recent Vegetable Introductions



Livingston's Orange Watermelon

LAXTON'S PROGRESS PEA

The largest and earliest of the large-podded dwarf peas and the best for home gardens on this account. Vines grow 18 inches high and produce deep green pods with eight large dark green peas of delicious, sweet flavor.

Pkt. 10 cts.; ½ lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.10; 10 lbs. $2.10; 25 lbs. $5

LIVINGSTON'S ORANGE WATERMELON

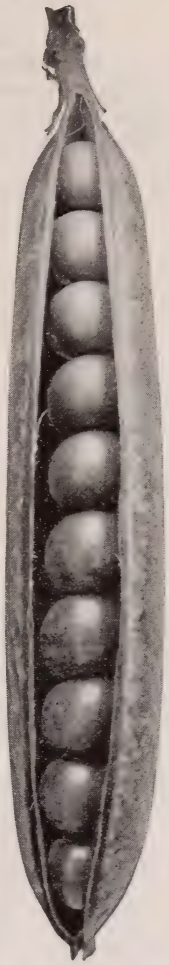
May be considered a novelty, its peculiarity being that when ripened the inner core separates from the rind and, by careful cutting of the rind only, the entire heart can be lifted out of its shell. Inner portion resembles an orange after peeling, hence the name. Flesh is a beautiful pink shade, very sweet and delicious.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. $1

CALIFORNIA WONDER PEPPER

A new striking variety of large, blocky dimensions. Its wonderfully thick flesh places it at the head of the list. Color is a brilliant dark green changing to crimson. Uniform and productive. Illustrated on page 68.

Pkt. 15 cts.; ½ oz. 25 cts.; oz. 45 cts.; ¼ lb. $1.50; lb. $5.50



Laxton's Progress Pea

NEW HONEY ROCK MUSKMELON

One of the best of the Cantaloupe types, being about 6 inches thru and slightly oblong. Flesh is salmon, very thick, sweet and fine flavored. Early and productive. It certainly is an outstanding variety for you home gardeners to try.

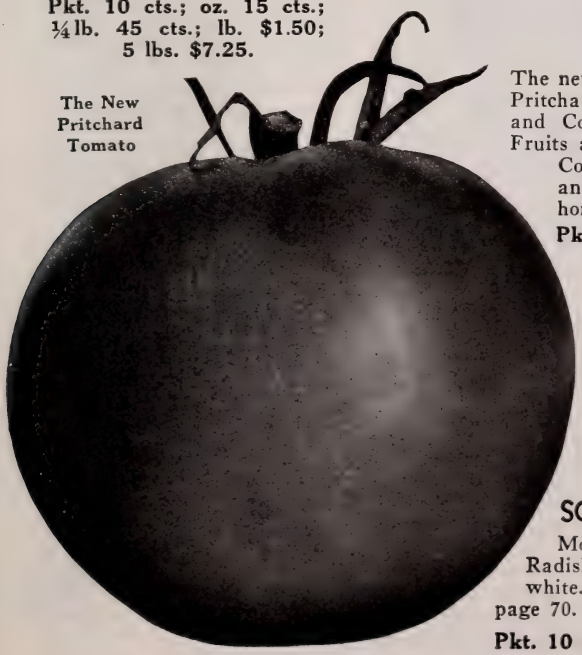
Pkt. 10c.; oz. 15c.; ¼ lb. 45c.; lb. $1.50

Honey Rock Muskmelon

LIVINGSTON'S TIP-TOP MUSKMELON

Tip-Top tops them all for a large, early home garden Muskmelon. Introduced by us in 1892 and, today, still supreme in quality, appearance and productiveness. A large, slightly oblong variety with sweet, juicy, creamy yellow flesh.

Pkt. 10 cts.; oz. 15 cts.; ¼ lb. 45 cts.; lb. $1.50; 5 lbs. $7.25.



The New Pritchard Tomato

THE NEW PRITCHARD TOMATO

The newest Tomato introduction coming from the late Dr. F. J. Pritchard. It is a cross between the wilt-resistant Marglobe and Cooper's Special, inheriting the good qualities of both. Fruits are of medium size, solid and have small seed cavities. Color is scarlet with deep red interior. Plants are strong and can be placed quite close together, making it ideal for home gardens.

Pkt. 20c.; ½ oz. 35c.; oz. 65c.; ¼ lb. $2.15; lb. $7.50.

LIVINGSTON'S GIANT OXHEART TOMATO

The big tomato everybody is talking about

Truly the giant of them all. Its attractive shape, large size and excellent table qualities have made it the most popular with back yard gardeners. Smooth, thick, tender and almost seedless. More fully described and illustrated on page 78.

Pkt. 15 cts.; ½ oz. 40 cts.; oz. 75 cts.

SCARLET GLOBE RADISH

Most popular globe-shaped early Radish. Skin bright red; flesh pure white. Ilustrated and described on page 70.

Pkt. 10 cts.; ¼ lb. 25 cts.; lb. 80 cts.

PEARL RADISH

Beautiful stump-rooted, pearly white long variety. Illustrated and described on page 71.

Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.

Livingston's Select Gladiolus

A "GLAD OPPORTUNITY" DESERVING OF YOUR CONSIDERATION

ALL ORDERS FILLED PROMPTLY—ALL PRICES ARE POSTPAID

It is our ambition that every one of you try at least a few of these fine Gladiolus Bulbs this year. They will set a new standard of excellence, less than which will no longer satisfy you. Quality comes first with us and then price. And, at these prices these "Glads" deserve a place in your garden.

Our Outstanding VARIETIES

ALBANIA. Large and slightly ruffled flowers of immaculate whiteness, all facing forward. Well built spike with good foliage. Doz. 50 cts.; 100 for $3.75.

ARABIA. Excellent variety of a dark mahogany-red, buds almost black. Pleasing velvety sheen, good texture and large size. Doz. 90c; 100 for $6.60.

DR. F. E. BENNETT. Fine peach red with a suggestion of flame scarlet. A marvel of striking brilliancy on a splendidly built spike. Doz. 55 cts.; 100 for $4.

GLORIANA. An intriguing blend of salmon and yellow which places it at the top of the list. Tall, perfect spike. Doz. 75 cts.; 100 for $5.50.

MINUET. For purity of lavender, ideal form and wonderful finish, Minuet stands alone. Wide open flowers with broad petals of great substance. Doz. $1.10; 100 for $8.

MR. W. H. PHIPPS. Clear deep pink, salmon toned reflex. Lips faintly speckled ruby. Massive spike of superlative beauty. Doz. 55 cts.; 100 for $4.

MRS. P. W. SISSON. A glorified cameo pink. The large flowers, many of which open at same time, are of heavy texture and flawless form. Doz. 60 cts.; 100 for $4.40.

SCHWABEN. A pleasing light yellow with lower petal carrying a ruby colored spear. Clean looking regal flower, all florets facing forward. Doz. 35 cts.; 100 for $2.75.

LIVINGSTON'S PANDORA MIXTURE

Supreme in quality and beauty of blooms. Best mixture we ever offered. A surprising offer at this price.

Doz. 35 cts.; 3 doz. $1; 100 for $2

New and Rare NOVELTIES

BETTY NUTHALL. Lovely coral orange with pencil lines of soft red. Double row of huge florets. Keeping qualities superb. Each 15c; doz. $1.20; 100 for $9.

CHAS. F. FAIRBANKS. Brilliant flame scarlet, slightly ruffled. Brighter than Dr. F. E. Bennett. Of great size and vigor with imposing foliage. Each 10c; doz. $1; 100 for $8.

CORYPHEE. Nothing in shell pink is purer or finer. Flowers beautifully formed of which many open at one time. Wins wherever shown. Each 45c; doz. $4; 100 for $31.

DR. NELSON SHOOK. One of those giants that may be classed with Golden Measure. Radiant tyrian rose, 8 to 10 flowers open. Ruffled. Each 10c; doz. $1; 100 for $8.

MARMORA. Blendings of smoky shades of grays and lavender, with a blotch of red and purple. Majestic spikes. Each 20c; doz. $1.80; 100 for $14.

MRS. F. C. HORNBERGER. Dazzling snow-white. Exquisite large flowers placed symmetrically on a regal spike. 5 to 7 blooms open. Each 20c; doz. $1.50; 100 for $11.75.

PFITZER'S TRIUMPH. Vivid salmon orange, small red blotches. Claimed to be "one of finest introductions by Wilhelm Pfitzer." Without doubt the largest ever imported. Each 15c; doz. $1.20;100 for $9.

PRIMROSE PRINCESS. Distinct clear primrose. Large flowers, gracefully winged and waved. Face forward on sturdy spike. Sterling introduction. Each 20c; doz. $1.50; 100 for $11.75.

NOVELTY COLLECTION

Containing 8 above varieties

1 bulb each of above	**$1.00**
2 bulbs each of above	**1.75**
3 bulbs each of above	**2.25**
6 bulbs each of above	**3.75**

BLENDED COLOR COLLECTIONS

Made from the outstanding named varieties above, on the left. Intended for a two or more row planting at 10 day intervals. Full planting instructions with each collection. If followed you will enjoy very fascinating color blendings over a long period.

Contains the 8 varieties at left, above

3 bulbs each (plot 5 ft. by 3 ft.)	**24 bulbs**	**$1.00**
6 bulbs each (plot 10 ft. by 3 ft.)	**48 bulbs**	**1.90**
12 bulbs each (plot 10 ft. by 6 ft.)	**96 bulbs**	**3.50**
25 bulbs each (plot 20 ft. by 6 ft.)	**200 bulbs**	**6.75**

SUFFUSED COLOR COLLECTIONS

This collection of six choice varieties has been selected to give a stunning display of blends, tints, blotches and suffused colors. A-1 bulbs of the most popular varieties.

CAPTAIN BOYNTON. Soft lavender over white.
ETHELYN. Ground color yellow, suffused copper-orange.
MAY-LOVE. Rose, blending into gleaming apricot-red.
ODIN. Rich salmon-pink with orange shadings.
ROSE ASH. Rose red overlaid grey. "Ashes of Roses" color.
WM. G. BADGER. Symphony of coral shades on soft yellow.

3 bulbs each—18 bulbs	**$0.50**
6 bulbs each—36 bulbs	**.90**
12 bulbs each—72 bulbs	**1.75**

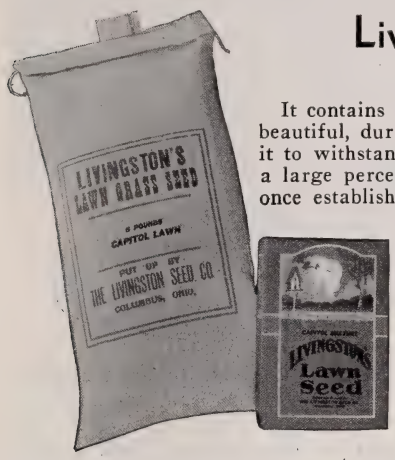
Livingston's Lawn Grass Seeds

TREAT YOUR LAWN WITH THE BEST THIS YEAR

YOU'LL BOTH LIKE OUR MIXTURES MADE FROM TRUE TURF GRASSES

Your first consideration in a lawn seed mixture should be the "kind of Grass Seeds used." There are hardy, perennial grasses and annual nurse grasses. It is the hardy grasses that ultimately make a good lawn and the large percentage of any good mixture should consist of these perennial grasses, such as Kentucky Blue Grass, Red Top and Chewing's Fescue. The annual grasses are necessary as a nurse for the better grasses but if used to excess do not benefit your lawn, although the mixture sells for less money. Therefor, do not be deceived by the price per pound. If you must choose between quality and quantity, and most of us do these days, choose quality in lawn seed and get some real satisfaction. Let us suggest that you use our famous "Capital Brand" Mixture this year. You will be pleased with the results.

Thoroughly practical leaflet, "How to Make a Better Lawn," sent on request



Livingston's "Capitol Brand" Lawn Seed

Famous for Making Good Lawns Better

It contains only the highest grade of grasses suitable for the purpose of making a beautiful, durable, lasting lawn. Germinates quickly and roots deeply. This enables it to withstand the intense heat of summer and the hard cold of winter. Contains a large percentage of those grasses which are lasting and hardy. When a lawn is once established with "Capitol Brand" it lasts for years. From six to eight weeks' time is all that is required to form a close, thick turf of rich, velvety green. Owing to the high-grade seeds used in this mixture, one pound is sufficient to sow 300 square feet of new lawn.

Pound 40 cts.—3 Pounds $1—5 Pounds $1.50
10 lbs. $2.75—25 lbs. or more at 25 cts. per lb.
Transportation paid by us

Quick Grower Lawn Seed. A special mixture that gives quicker results than Capitol Brand, yet it makes a fair lawn. Where this mixture is used Capitol Brand Lawn Seed should be used the next year for renovating. Lb. 30c.; 3 lbs. 75c.; 5 lbs. $1.15; 10 lbs. $2; 25 lbs. or more at 18c per lb. All prepaid.

Astoria Bent. True creeping bent, both under and above ground. Used on golf putting greens and in high grade lawn mixtures. Lb. $1; 3 lbs. $2.75. All prepaid.

Kentucky Blue Grass. Used more for lawns than any other grass. It is slow to start, however, and should be mixed with other quick-growing dwarf grasses. Does best on limestone soils, well enriched. Dark green in color; forms a close, thick turf and is very hardy. Heavy, fine, clean seed. Lb. 40 cts.; 3 lbs. $1; 5 lbs. $1.50; 10 lbs. $2.75; 25 lbs. or more at 20 cts. per pound. All prepaid.

Red Top. One of the Bent grasses. Used on golf courses and in all good lawn mixtures. Does well in wet places and under unfavorable conditions. Is drought-resistant. Lb. 25 cts.; 3 lbs. 65 cts.; 5 lbs. 90 cts.; 10 lbs. $1.50; 25 lbs. or more at 12 cts. per pound. All prepaid.

Domestic Rye Grass. Makes a quick growth but does not make a permanent lawn. Should be used in mixture with hardy grasses as a nurse. Valuable where quick results are desired. Lb. 20 cts.; 3 lbs. 50 cts.; 5 lbs. 75 cts.; 10 lbs. $1.25; 25 lbs. or more at 10 cts. per pound. All prepaid.

Timothy. Generally used in mixtures as a nurse for the slower-growing grasses. Lb. 20 cts.; 3 lbs. 50 cts.; 5 lbs. 75 cts.; 10 lbs. $1.25; 25 lbs. or more at 10 cts. per pound. All prepaid.

Rough-Stalk Meadow. One of the best for shady places. Used in shady place mixtures. Lb. 50 cts.; 3 lbs. $1.25; 5 lbs. $1.90; 10 lbs. $3.25; 25 lbs. or more at 25 cts. per pound. All prepaid.

Chewing's Fescue. A valuable grass, used in most good mixtures. Especially good in shady places. Lb. 60 cts.; 3 lbs. $1.50; 5 lbs. $2; 10 lbs. $3.50; 25 lbs. or more at 30 cts. per pound. All prepaid.

Shady Place Mixture. On nearly all lawns there are shaded, bare, and unsightly spots on which one has difficulty in getting a stand of grass. For such places this mixture is adapted. It is composed of grasses which naturally grow in shaded places. Lb. 45 cts.; 3 lbs. $1.25; 5 lbs. $2; 10 lbs. $3.50; 25 lbs. or more at 30 cts. per pound. All prepaid.

White Clover. Excellent for lawns when mixed with other grasses. Does not stand dry, hot weather well, but tends to keep crab grass in check. Lb. 90 cts.; 3 lbs. $2.40; 5 lbs. $3.65; 10 lbs. $6.75, prepaid.

SACCO SPREADER

A GARDEN TOOL THAT YOU NEED

Spreads Lawn Seed, Fertilizers, Sand, Salt, etc. easily and quickly. Equipped with adjustable spreader and instantaneous feed control. Can be operated easily by any child. Will pay for itself in saving seed and fertilizer thru proper application.

As a Suggestion
Why not buy one on a co-operative plan with several of your neighbors and all get the benefit of its use.

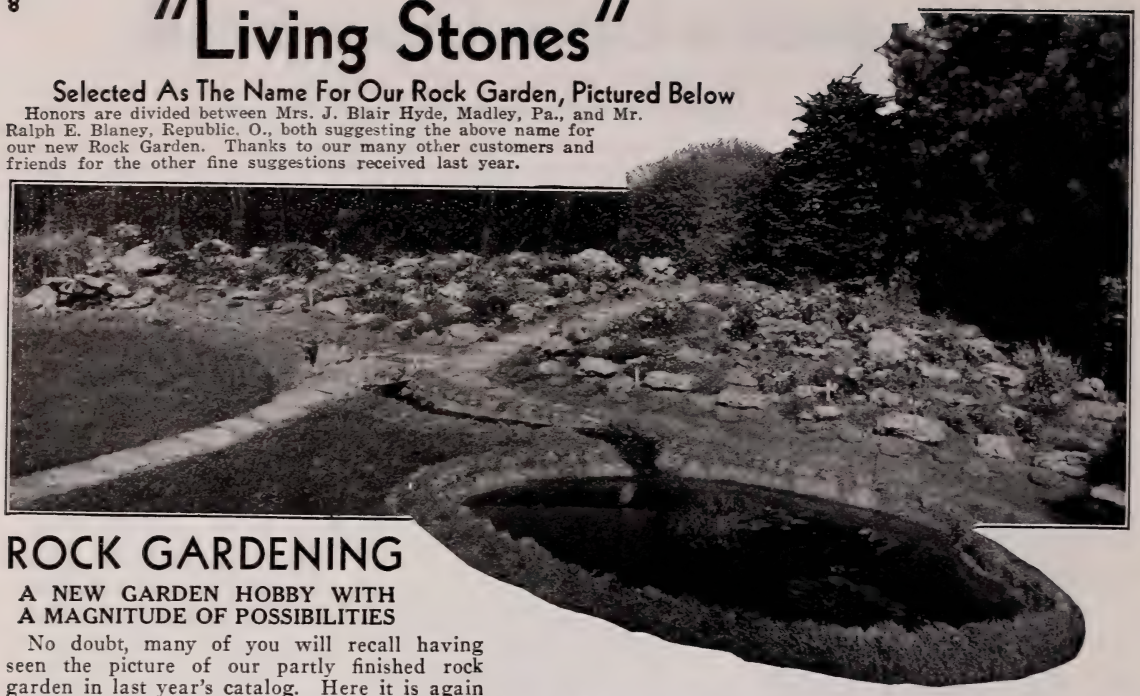
TWO SIZES—POSTPAID IN OHIO
17 inch size, shipping weight 10 lbs.....$2.75
24 inch size, shipping weight 18 lbs.....$5.50

SPECIAL QUOTATIONS.—We are always pleased to quote special prices to parks, institutions, golf clubs, and others who require Lawn Grass Seed in large quantities. Prices subject to market change

"Living Stones"

Selected As The Name For Our Rock Garden, Pictured Below

Honors are divided between Mrs. J. Blair Hyde, Madley, Pa., and Mr. Ralph E. Blaney, Republic, O., both suggesting the above name for our new Rock Garden. Thanks to our many other customers and friends for the other fine suggestions received last year.



ROCK GARDENING

A NEW GARDEN HOBBY WITH A MAGNITUDE OF POSSIBILITIES

No doubt, many of you will recall having seen the picture of our partly finished rock garden in last year's catalog. Here it is again after planting. Don't you think a rock garden transforms an unsightly spot into a thing of beauty?

Our whole country is entering an era of beauty, and Rock Gardening certainly is the answer to "How can I add that appealing atmosphere to my home grounds?"

We furnish, upon request, a very interesting leaflet, "Rock Gardening," which outlines in detail how to build various types and how they will fit into your particular surroundings. It tells you how easy it is to grow your own plants from seed, too.

As a general thing, rock garden plants should be perennials but annuals can be used to advantage after the perennials have finished blooming. All flowers in this book which are suitable for rock gardening are marked ○. At your right we offer some fine money saving collections that should interest you.

Rock Garden Collection No. 1--Fine for the Beginner

3034 **Alyssum saxatile**	3806 **Heuchera sanguinea**
3102 **Aquilegia, Caerula**	3896 **Linume perenne**
3110 **Arenaria, montana**	6065 **Primula vulgaris**
3414 **Candytuft, gibraltarica**	6156 **Saxifraga,** Mixed
3628 **Dianthus** (Cheddar Pink)	6310 **Tunica saxifraga**
3760 **Gypsophila repens**	6331 **Veronica prostrata**

THE ABOVE SUGGESTED LIST, VALUE $1.50 SENT FOR $1 POSTPAID

Rock Garden Collection No. 2

3108 **Arabis,** Alpina	3568 **Crucianella,** Stylosa
3376 **Calamintha,** Alpina	6079 **Ranunculus,** Asiaticus
3512 **Cheiranthus,** Allioni	6112 **Saponaria,** Ocymoides

VALUE $1.05—COLLECTION 75 CTS., POSTPAID

Annual Collection for Color the First Year

3018 **Ageratum,** Mixed	6052 **Portulaca,** Mixed
3032 **Alyssum,** Little Gem	6110 **Sanvitalia,** Procumbens
3682 **Eschscholtzia,** Mixed	6000 **Phlox,** Mixed

VALUE 65 CTS. — COLLECTION 50 CTS., POSTPAID

Useful Garden Accessories for Garden Lovers

Throughout this book you will find listed various Garden Accessories in which you may be interested. They are all practical and useful items and priced so that you can well afford to enjoy their advantages in your gardening this year. Watch for them as you leaf through the pages.

National Eezy Wear Garden Gloves

A new type of glove especially designed for garden wear. Gives finger freedom and complete protection. Economical, too, for they will outwear six pairs of ordinary fabric gloves.

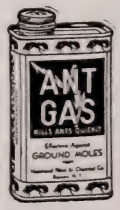
Keeps Your Hands in "Party" Condition

ALL LEATHER—SOFT AS KID
DIRT-PROOF DURABLE
WASHABLE
FOUR SIZES
"Small" and "Medium" for Women
"Medium" and "Large" for Men
Pair 65c; 2 Pair $1.25 Postpaid

GARDEN SHEAR

An improved shear for cutting flowers and picking fruits, being equipped with an automatic grip which holds them. Indispensable for Roses and other thorny flowers. Absolutely the best accessory we have seen at this low price.

40 Cts. Postpaid



Hammond's ANT GAS

Kills Ants Quickly

Simple and easy to use. Small amount applied to the ant hill forms a heavier-than-air gas which pentrates and kills the ants—queen and all. Also kills moles by same method. Not dangerous or poisonous. At these prices you cannot afford to be bothered with these pests.

Half Pint Can.....50c
Pint Can.....90c Quart Can....$1.50
POSTPAID

Livingston's "True Blue" Flower Seeds

Delivered Free Anywhere in United States. See page 1.

For Success with Flowers Demand Quality Seed

Your success with flowers depends largely upon the quality of the seed you buy and the proper method of growing the plants. As to quality, you can open most any seed catalog and find that it lists quality seed only. It seems to us that the mere statement "we sell quality only" has become so shopworn that it means little or nothing to you flower growers. However, we both must recognize the fact that there is a difference in the germinating and productivity qualities of flower seeds. Seed can be grown cheaply if little care is given in producing it but it seldom reproduces quality flowers. Seed can be carried in stock by the seedman from year to year until it is sold, sometimes being mixed with fresh stock, but its germinating qualities deteriorate to where it is worthless. A 5 cent packet of this kind of seed is far more expensive than a 10 cent packet of good fresh seed. If the amount you invest in flower seeds this year is limited, we urge you, if necessary, to sacrifice quantity for quality. There is no doubt but that quality is the first requisite to success with flowers.

In our eighty-three years as seedsmen we have always tried to give our customers the best seed obtainable and at a reasonable price.

Most of our packets are offered at 10 cents and sealed in each one of them is a good amount of seed and a large amount of quality.

Know How to Grow Seedlings and Care for Plants

We both know that the seed cannot be exempt from all blame for poor results and, while we give credit to many Flower Enthusiasts for knowing how to properly grow seedlings and care for plants, the lack of this knowledge is the most common cause of failure with flowers. This year we have gone to considerable expense and given a great amount of time to compiling and giving helpful information in this book. Below and on the following page we give directions for growing seedlings and ten keyed general cultures, one of which will apply to every variety we list. Too much emphasis cannot be given to the depth you sow your seed. Common advice usually given is "Sow seed shallow" and while this is good it is too general. Under each variety heading we are giving, in parts of inches, the depth to sow the seed. We also give height, whether it prefers sun, partial shade or shade, blooming period in months, where it can be used to best advantage, and whether it is annual (×), biennial (+), perennial (#), etc. (See key to symbols at your left.)

If you want more flowers but are not thoroughly acquainted with their culture read "How to Succeed with Flowers" below. (Leaflets listed are free with orders.) We hope our efforts herein contribute to your success this year. It is needless to add that we hope to be favored with your order?

KEY TO SYMBOLS

- × Annuals. Bloom first year and die.
- + Biennials. Generally bloom second year, then die. Some, planted early, bloom same year.
- # Perennials. Endure winters. Live and bloom several seasons.
- ○ Rock-Plants. Usually Perennials of dwarf growth.
- ÷ House Plants.
- = Climbing Plants.

How to Succeed with Flowers

BEING successful with flowers is quite easy if you know a few fundamental principles of growing them, including their habits and peculiarities. They are generally divided into three classes; annuals (×), biennials (+), and perennials (#). In this book each is marked with one of the symbols given above. In addition to this the proper culture, the depth to sow the seed, the height, the location and the blooming period is given under each variety heading. With this information you can properly choose varieties for your particular need or location.

Annuals bloom the same year and die and can usually be started from seed sown directly in the garden in the spring, although earlier bloom can be enjoyed by starting most of them inside. Biennials generally do not bloom until the second season, then die. Most of these can be sown directly in the garden. Some, if started early inside, will bloom the first year. Perennials, including most rock-plants (○), are hardy, endure winter weather for several seasons and start blooming the second season in the spring. They should be started in flats or boxes any time from late spring to September 1st and set out in the garden in the fall.

Growing Seedlings Inside

The ideal box for growing both flower and vegetable seedlings is a window flat about 3 to 4 inches deep. Where you do not want many plants, any shallow box (a cigar box is ideal) will do very well. In any event, place holes in the bottom for drainage. Fill to a depth of 1 inch with cinders or gravel, and the remainder with good, well sifted garden loam to within ¼ inch of the top. Firm this down with a board or flat side of a ruler. With the edge of the ruler make grooves or furrows about 2 inches apart and you are ready to sow the seed.

Follow directions given under each variety heading as to the depth to sow the seed. After it is sown, place the box in a pan of water and let the water be absorbed from the bottom until the top soil shows moist. Never water from the top. Let the surplus water drain out of the bottom, after which place it in a window, preferably with southern exposure, and cover top with glass or heavy paper. Turn this cover several times a day to prevent moisture forming and dropping, thus exposing seed. As soon as the seeds have germinated, remove the cover. Give the seedlings as much air and sunshine as possible but shade them from the noon sun if it is extremely hot. After the plants are well up, keep them cool rather than warm, and grow them slowly. The soil should be kept moist but not wet. This should be done with bottom moisture as above. Too much moisture, especially on cloudy days, improper ventilation, and overcrowding of plants causes damping-off when the stems rot off at the surface of the soil and the plants wilt and die. To prevent crowding, thin or transplant to other boxes, allowing about 2 inches of space each way. Before the plants are transplanted into the garden, they should be hardened off. On mild days expose them to the outdoors and they will soon be able to stand the outside weather without injury.

All perennial flowers can be started in these same boxes, but with fresh soil, except that the box is placed outdoors in a cool, shaded location.

(Continued on Following Page)

How to Succeed with Flowers--Cont.

Transplanting Seedlings in the Garden

Much care must be exercised in transplanting young seedlings. A few hours previous to transplanting, water both the seedling box and the soil outside. With a fork carefully loosen and remove the seedlings. Transplant them a little deeper than they were before, firm down the soil and protect them against direct sun for a day or two until they become acclimated to conditions.

Sowing Seed in the Garden

After frost is out of the ground it should be dug and broken up to a depth of at least 9 inches, mixing in plant food if necessary. Pulverize the top soil well and sow the seed evenly, covering as directed herein. Keep the soil at as even moisture as possible until the little plants appear. Thin or transplant as necessary to prevent crowding. Water thoroughly every few days instead of a light sprinkling every day and cultivate often to keep down weeds and to retain moisture in soil.

Cultivation and Care

The cultivation and care of plants is important if you would have them do their best. They should neither become too dry nor too wet. Water them in the morning or evening and do it thoroughly, rather than giving a mere sprinkling. Very young plants are best watered in the morning so that the leaves will dry off before night, preventing damping-off. Some time after watering, use the cultivator on the surface soil to prevent it from becoming too dry and caked. This will assist the under soil in retaining moisture over a longer period. In cultivating be careful not to injure the roots which grow near the surface. Most annual plants will tend to grow spindly or bloom too soon if they do not have the proper care. These should be pinched, that is the top bud should be removed. This will allow them to branch freely and bloom abundantly. All their fading flowers should be removed to prevent seeding, thus prolonging blooming period.

The Flower Leaflets Listed Below are Free when Asked For with Your Order.

They will help you to better succeed with flowers and will be promptly and gladly sent.

Success with Flower Seed
Growing Annuals
Growing Perennials
Growing Seedlings
Gladiolus Culture
How to Grow Asters
How to Grow Geraniums
How to Grow Pansies
How to Grow Primulas
How to Succeed with Sweet Peas
Principles of Pruning Trees, Shrubs, Roses, etc.
Rock Gardening
Spraying and Dusting Calendar
How to make a Better Lawn

Cultural Directions for Flowers

Under each flower variety heading on the following thirty-nine pages you will find the keyed reference to one of the cultures given below and the depth to cover the seed. This same information is given on each packet we send you. The depth you sow the seed is very important. Lack of this information has been a common cause of failure with flowers. We hope the simplified way we tell you "how" contributes to your success with flowers this year.

Culture A.—Sow seed inside in shallow box of light, well pulverized, moist soil in early spring. Cover to depth as indicated under variety heading herein and firm soil with board. Cover box with glass or paper and place in warm location until germination. After germination, remove cover, supply bottom moisture and put in sunny window. When large enough to handle, thin or transplant 2 inches apart in other boxes and gradually expose to outside conditions. Plant outside after danger of frost. This seed may also be sown outside in the garden in well pulverized soil after frost.

Culture B.—Sow seed outside in well pulverized soil after the last killing frost. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin or transplant as necessary. If earlier bloom is desired, sow seed inside in shallow box of light, well pulverized, moist soil in early spring. Cover to proper depth and firm soil. Cover box until germination, after which remove cover, supply bottom moisture and place in sunny window. Thin or transplant to other boxes and plant outside after frost.

Culture C.—Sow seed thinly outside in the garden in well pulverized soil after last killing frost. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin out as necessary so that plants are not crowded. It is best to sow this seed where the plants are to remain as they do not transplant very successfully.

Culture D.—Sow seed outside in early spring as soon as the soil can be well pulverized. Cover to depth indicated under variety heading herein, firm soil and keep moist. Thin or transplant as necessary. For very early bloom, sow outside in late fall just before freezing weather, or can be started quite early inside in box as in culture A and transplanted outside after frost.

Culture E.—Sow seed inside in shallow box of well pulverized, moist soil, preferably during spring months. Cover to depth indicated under variety headings herein and firm soil with board. Cover box and place in warm location until germination, after which remove cover, supply bottom moisture and place in sunny window. When large enough to handle, transplant to pots and shift to larger pots as necessary.

Culture F.—Sow seed inside in shallow box of light, well pulverized, moist soil in late winter. Cover seed to depth indicated under variety headings herein and firm with board. Cover box until germination, after which supply bottom moisture and place in sunny window. When large enough to handle, transplant 2 inches apart in other boxes and plant outside after frost is out of the ground. For earlier blooms, sow seed in fall, carry over in coldframe and plant out in spring. June sown seed will bloom in fall.

Culture G.—Sow seed inside in shallow box of well pulverized, moist soil in early spring. Cover to depth indicated under variety headings herein and firm soil. Cover box until germination, after which supply bottom moisture and place in sunny window. When large enough to handle, transplant 2 inches apart in other boxes. When 2 to 3 inches high, shift to pots or can be planted outside after frost.

Culture H.—Sow seed inside in shallow box of well pulverized, moist soil in early spring. Cover seed to depth indicated under variety headings herein and firm soil. Cover box until germination, after which supply bottom moisture and place in sunny window. When plants are large enough to handle, transplant 2 inches apart in other boxes. Plant outside after frost. In the fall take up roots and store in cool, dry place. Seed can also be sown outside after frost.

Culture J.—Sow seed thinly in shallow box of well pulverized, moist soil after frost and any time up to August or September 1st. Cover seed to depth indicated under variety headings herein and firm soil with board. Place in cool, shaded outdoor location; after germination, supply bottom moisture. Thin as necessary and transplant to permanent location when large enough to handle. Give protection the first winter. This seed can also be sown in the fall as above, transplanted into coldframes where it is carried through the winter, and planted out in the spring.

Culture K.—Sow seed thinly outside in well pulverized soil in early spring and any time during summer. Cover seed to depth indicated under variety headings herein, firm soil and keep moist. Thin out as necessary. Seed should be sown where plants are to remain as they do not transplant very successfully. Provide protection the first winter. Usually do not bloom until second season.

Livingston's Superb Asters

Imp. Giant of California Aster

Culture A. Sow seed ⅛ inch deep. Hgt. 15 to 30 in.; partial shade.

There is no better nor more popular flower grown than the Aster. With the introduction of the New Wilt-resistant varieties (Page 13—Illustrated on front cover) you should have much more success with them.

Asters do best in rich soil with ample moisture. Set plants of earlier sorts 10 inches apart and later sorts 15 to 18 inches apart.

We offer only varieties of the greatest merit.

Giants of California Asters.

Improved. This Aster bids fair to become a universal favorite. Characterized by the well-known Crego type of flower, combined with the Beauty Aster's long, non-lateral, branching stems, the California Giants, double type Aster, stands at the head of the list. The introducer says: "It has not only received favorable mention by the Royal Horticultural Society of Great Britain, but has been awarded prizes whenever exhibited in flower shows in various parts of the world."

	Pkt.	⅛oz.
3130 **White.** Very large	$0 15	$0 50
3132 **Light Blue.** Very delicate	15	50
3134 **Deep Rose.** Rich shade	15	50
3136 **Dark Purple.** Very distinct	15	50

COLLECTION: One pkt. each above **50c**

3140 **Mixed.** Above and others. Pkt. 15c; ⅛oz. 45c.

Queen of the Market.

About two to three weeks earlier than most other Asters. They bloom profusely and are of graceful habit. Their shape is very similar to Semple's Giant Branching Aster. The perfect flowers are borne on long stems and in great variety of colors. Useful for cutting. Height 1½ feet.

3190 **White, Pure**	3196 **Dark Blue**	Any one color Pkt. 10 cts. ⅛oz. 30 cts.
3192 **Pink**	3198 **Crimson**	
3194 **Light Blue**	3200 **Scarlet**	

COLLECTION: One pkt. each above 6 colors **50c**

3202 **Mixed.** All colors in finest mixture. Pkt. 10 cts.; ⅛oz. 30 cts.

Royal.

One of the best early-flowering sorts. It is quite similar in type of flower to the Late Branching, but will come into bloom only about a week later than Queen of the Market.

3324 **Mixed.** This mixture is well blended. Pkt. 10 cts.; ⅛oz. 30 cts.

3296 **Sensation.** The darkest red of all Asters. The plant averages about 1½ ft. high and is of the true branching type. Stems are long and stiff, making it ideal for cutting. The flower is very double and averages about 3 inches in diameter. On account of the deep, velvety red color it is exceptionally fine for either bedding or border. Pkt. 10 cts.; ⅛oz. 35 cts.

Crego Asters.

The Crego is a fine old strain. Flowers are large and have long, narrow, gracefully curled and interlacing petals. Tall growing plants of branching habit with long, stiff flower stems. A mid-season variety, blooming from late August to late September.

3230 **White.**	3234 **Lavender**	Any one color Pkt. 10 cts. ⅛oz. 35 cts.
3231 **Crimson**	3235 **Dark Violet**	
3232 **Pink**	3236 **Purple**	
3233 **Azure Blue**	3237 **Rose Pink**	

COLLECTION: One pkt. each above 8 colors **60c**

3240 **Mixed.** All colors. Pkt. 10 cts.; ⅛oz. 35 cts.

Crego Aster. Fine old strain.

SELECT ASTERS OF DIFFERENT BLOOMING SEASONS FOR CONSTANT DISPLAY

Livingston's Superb Asters---Continued

American Beauty Asters

Livingston's Superb Mixture of Giant Asters

A magnificent mixture, producing beautiful flowers, gigantic in size, gorgeous in color, perfect in form

3330 **This mixture includes the cream of all the Asters** of the most beautiful forms and brilliant colors. Our special strain has been especially selected from the finest, large-sized, double-flowering types. **Height, about 2 ft. Pkt. 15c; ⅛ oz. 35c; ¼ oz. 65c; oz. $1.85**

Giant Ostrich Plume. A very large-flowering class, the blooms of which resemble the Giant Comet Asters, as they have the same curled and twisted petals. However, the petals are longer, and the whole flower larger.

3250 **White,** 3252 **Rose-Pink,** 3254 **Lavender,** 3256 **Azure-Blue,** 3258 **Dark Blue,** 3260 **Crimson.** Pkt. 10c; ⅛oz. 30c.

COLLECTION: 1 pkt. ea. 6 above **50c**

3262 **Mixed.** Pkt. 10c; ⅛oz. 30c.

Astermum. A strain of Comet Asters which closely resemble a Japanese chrysanthemum.

3316 **Mixed.** Well blended. Pkt. 10 cts.; ⅛oz. 30 cts.

3294 **PEERLESS YELLOW.** Midway between Cregos and Late Branching varieties. A beautiful yellow flower with centers covered with curled and twisted florets. A vigorous, branching type. Considered the best yellow. Pkt. 20 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

3312 **PEERLESS PINK.** Midway between Crego and the Late Branching varieties and of a beautiful shade of pink. It blooms a little ahead of the Late Branching and produces its flowers on long stems. Pkt. 10 cts.; ⅛oz. 30 cts.

American Beauty. The plants are of very strong, vigorous growth, from 2 to 3 feet high. The large flowers, of Semple type, borne on long, stiff stems, bloom in early September and last until frost.

3170 **White.** 3172 **September Beauty.** Flesh-pink
3174 **Carmine-Rose.** 3176 **Lavender.** 3178 **Purple**

Any one above, Pkt. 10 cts.; ⅛ oz. 35 cts.

COLLECTION: One pkt. each above 5 colors **40c**

3180 **Mixed.** All colors. Pkt. 10 cts.; ⅛oz. 30 cts.

3300 **Truffaut's Peony-Flowered.** **Mixed Colors.** The improved strains of this grand Aster are considered the finest in cultivation. The large, perfectly double flowers are fine. Height 2 ft. Fine assortment. Pkt. 10 cts.; ⅛oz. 30 cts.

Daybreak. A distinct American class. The plants are erect in habit of growth and attain a height of 18 to 20 inches. The flowers (about 2½ inches in diameter) are ball-like in form, with incurved petals.

3308 **Mixed.** Pkt. 10 cts.; ⅛oz. 50 cts.

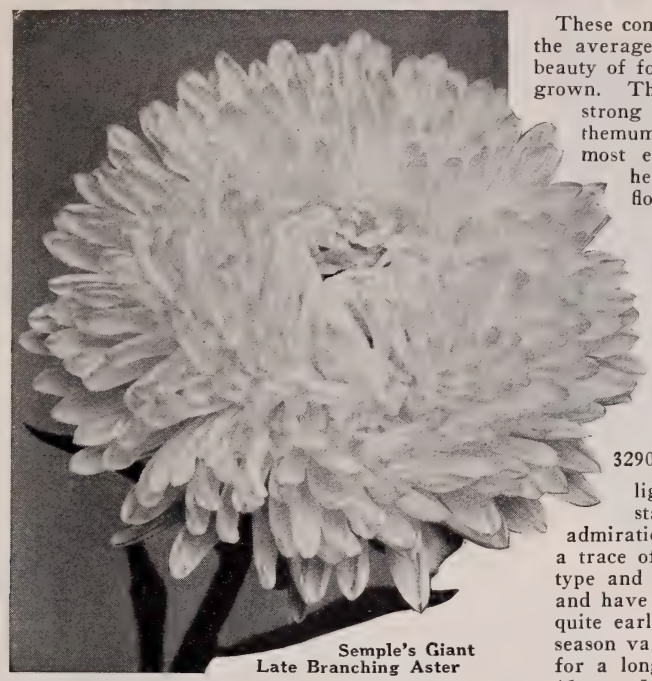
New Giant of California Sunshine Asters. A new novelty. A most attractive new type with strong, sturdy plants that throw up long flower-stalks, making wonderful cut-flowers. The large, beautiful flowers have twisted and quilled petals with a cushion center of tiny quills of a contrasting color which makes the flower appear to be covered with snowflakes.

3320 **Sunshine, Mixed.** Pkt. 20 cts.; ⅛oz. 75 cts; ¼oz. $1.35.

New Giant of California Sunshine Aster

DON'T PLANT ASTERS IN THE SAME LOCATION IN SUCCESSIVE YEARS

Semple's Giant Late Branching Asters



Semple's Giant Late Branching Aster

These come into bloom from one to two weeks later than the average type but, due to their large size, fine stems, beauty of form and varied colors, surpass any other Aster grown. The plants are about 30 inches tall, vigorous, strong and very branching. The blooms, Chrysanthemum-like, are at their best in September and make most excellent cut-flowers. This variety is at the head of the list for both home-gardeners and florists.

	Pkt.	⅛oz.
3150 **Pure White**	$0 10	$0 35
3152 **Shell-Pink**	10	35
3154 **Lavender**	10	35
3156 **Royal Purple**	10	35
3158 **Crimson**	10	35

COLLECTION: 1 pkt. each above would cost 50c sep. **40c**

3160 **Finest Mixed Colors.** All shades and colors. Pkt. 10 cts.; ⅛oz. 30 cts.

3290 **Heart of France.** The best pure red Aster ever introduced. In any light, natural or artificial, Heart of France is startlingly beautiful and will command instant admiration. The flowers are large and full with never a trace of hollow center. The plants are of branching type and very robust habit; stems are long and strong and have very few laterals. The plants begin to bloom quite early in the season and open fully with the mid-season varieties. They retain their brilliancy and luster for a longer period than almost any other color. Pkt. 15 cts.; ⅛oz. 45 cts.

King. Similar to the branching type. About 2½ feet high with long, stiff stems. Has distinct type of flower; round, full and very large, many measuring 4 to 5 inches in diameter. Petals resemble quilled varieties but are longer and broader.

	Pkt.	⅛oz.
3210 **White.** A recent introduction	$0 10	$0 30
3212 **Pink.** Blush-pink	10	30
3216 **Violet.** Soft violet-purple	10	30
3214 **Rose.** Brilliant rose	10	30

COLLECTION: One pkt. each above colors would cost 40c separately **30c**

	Pkt.	⅛oz.
3218 **Mixed.** Above colors	$0 10	$0 30

Livingston's Exhibition Aster Collection

One packet each, **Semple's Giant Branching, Mixed; Giant Ostrich Plume, Mixed; Crego, Mixed; Truffaut's Peony-Flowered, Mixed; Livingston's Superb Mixture of Giant Asters; King, Mixed; Sensation.** Most complete assortment of early, medium-early and late Asters it is possiple to offer at

50c Postpaid

Would cost 75c purchased separately.

New Wilt-resistant Asters

In recent years the growing of Asters has been greatly deterred due to what is commonly called "Aster Wilt." Where Fusarium Wilt (Aster Wilt) exists, it has been almost impossible to obtain any degree of success. But now there has been developed Wilt-resistant varieties which should again give The Aster its deserved place in the flower world. These varieties, however, are not resistant to "Yellows."

The flower seed Specialist who grows the seed we offer says "we believe our strains are practically immune to this disease, as proven in our plantings of the past few years. We feel sure that by using this seed many disappointments will be eliminated."

If you love to grow Asters but have become discouraged due to wilting, try again this year, using the seed we offer below.

Semple's Late Branching

	Pkt.	1/16oz.	⅛oz.
3161 **Pure White**	$0 15	$0 30	$0 50
3162 **Shell-Pink**	15	30	50
3163 **Azure Blue**	15	30	50
3164 **Purple**	15	30	50
3165 **Crimson**	15	30	50

Crego

3241 **White**	$0 15	$0 30	$0 50
3242 **Rose**	15	30	50
3243 **Pink**	15	30	50
3244 **Violet**	15	30	50
3291 **HEART OF FRANCE, red**	15	30	50
3297 **SENSATION,** Dark Red	15	30	50

American Beauty

	Pkt.	1/16oz.	⅛oz.
3181 **White**	15	30	50
3182 **Lavender**	15	30	50
3183 **Crimson**	15	30	50

Queen of the Market

3203 **Crimson**	$0 15	$0 30	$0 50
3204 **Dark Blue**	15	30	50
3205 **Scarlet**	15	30	50

Ostrich Plume

3263 **White**	$0 15	$0 30	$0 50
3264 **Deep Rose**	15	30	50
3265 **Crimson**	15	30	50

YOU SHOULD ENJOY THE BEAUTY OF THESE MODERN ASTERS

Long-Spurred Aquilegia (Columbine)#

Long-spurred Aquilegia

Culture J. Sow seed ⅛ inch deep. Hgt. 1½ to 2 ft.; moist partial shade; blooms May to July. Ideal for bedding and cutting.

3090 **Mrs. Scott Elliott's Strain of Long-spurred Hybrids.** A very popular variety. The blooms are of large size and the spurs very long. Colors range through a most harmonious number of shades seldom seen in other flowers. Pkt. 20 cts.; 1/16oz. 35 cts.

3092 **LONG-SPURRED SINGLE HYBRIDS.** These are very elegant, large, brilliantly colored long-spurred flowers, ranging through every shade known in Aquilegias. Pkt. 10 cts.; ⅛oz. 40 cts.

3094 **New Long-spurred Rose Queen.** A beautiful light pink to dark rose. Pkt. 15c; 1/16oz. 40c.

3100 **Chrysantha.** A clear long-spurred yellow. Pkt. 10 cts.; 1/16oz. 25 cts.

3102 **Cærulea.**○ Blue. Pkt. 10 cts.; 1/16oz. 25 cts.

3096 **Double Varieties, Mixed.** Pkt. 10c; ⅛oz. 20c.

3098 **Single Varieties, Mixed.** Pkt. 10c; ⅛oz. 20c.

AGERATUM (Floss Flower)×

Culture B. Sow seed 1/16 inch deep. Hgt. 4 to 8 in.; sun; profuse bloom from July to frost. Splendid for edging, cutting, rock-gardens and porch-boxes.

3012 **PERFECTION BLUE.** Deep amethyst-blue. Compact growth, 8 inches high. Pkt. 10 cts.; ⅛oz. 20 cts.

3014 **Little Blue Star.** Very dwarf, bushy growth, bright blue flowers. Pkt. 25c; 1/16oz. 40 cts.; ⅛oz. 65 cts.

3016 **Mexicanum.** Lavender-blue. 1½ ft. Pkt. 10 cts.; ⅛oz. 20 cts.

3018 **FINEST MIXED.** All the best varieties. Pkt. 10 cts.; ⅛oz. 25 cts.

ASPARAGUS ÷

Culture E. Soak seed over night, sow ½ inch deep. House plants.

3116 **Plumosus nanus** (Climbing Lace Fern). Half-hardy. Pkt. 15 cts.; 100 seeds 50 cts.

3118 **Sprengeri** (Emerald Feather). Beautiful. Grows freely all year. Pkt. 10 cts.; 100 seeds 35 cts.

Four Rock-garden Flowers. Culture J. Sow seed ⅛ in. deep

3108 **ARABIS ALPINA.** (Rock Cress.)○ Hgt. 6 in.; needs sun; blooms early spring. Hardy perennial with pure white flowers. Pkt. 10 cts.; 1/16oz. 20 cts.

3110 **ARENARIA montana.**○ Hgt. 6 in.; sun; blooms May and June. Grows in tufts with small white flowers. Pkt. 20 cts.; 1/32oz. 60 cts.; 1/16oz. $1.10.

3336 **AUBRIETIA, Large-flowering Hybrids, Mixed.**○ Hgt. 6 in.; sun; blooms April and May. Fine creeping plant. Mixed colors. Pkt. 25 cts.; 1/16oz. 60 cts.

3376 **CALAMINTHA, Alpina.**○ Hgt. 6 in.; blooms May and June. Tufted growth; lavender blue flowers. Pkt. 35 cts.

ALYSSUM (Sweet-Scented)

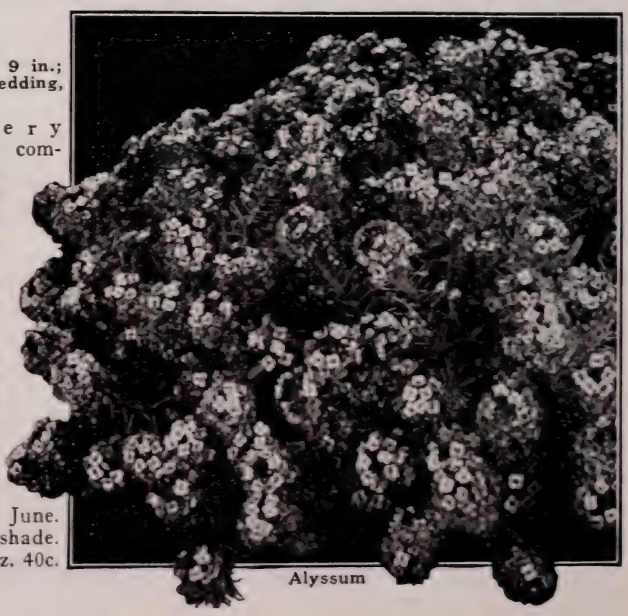
Culture B. Sow seed 1/16 inch deep. Hgt. 6 to 9 in.; sun or partial shade; blooms June to frost. Fine for bedding, cutting and rock-gardens.

3032 **Little Gem or Carpet of Snow.**× A very dwarf, compact-growing variety. While only 6 inches in height, each plant will carpet a circle from 20 to 30 inches in diameter, and form a solid mass of snow-white flowers of delicious fragrance. Pkt. 10 cts.; ¼oz. 25c; oz. 40 cts.

3030 **MARITIMUM.**× One of our most popular hardy annuals. Blooms continually from earliest summer until frost. Pkt. 10c; ⅛oz. 15c; oz. 40c.

3036 **LILAC QUEEN.**× Of compact habit. The pretty, deep lavender-lilac flowers are borne in great profusion. Valuable for the border. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3034 **Saxatile compactum #○.** (Golden Saxatile or Basket of Gold.) Perennial variety; culture J; sow seed ⅛ in. deep; hgt. 9 in.; blooms May and June. Fine for rock-work; does well in sun or partial shade. Brilliant golden yellow. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.



Alyssum

Antirrhinums (Snapdragons) ×#

Culture D. Sow seed 1/16 inch deep. Hgt. 1 to 2 ft.; sun or partial shade. Fine for cutting and garden decoration.

3070 **Livingston's Giant-Flowering Maximum Mixed.** Every desirable color and shade is in this class. Individual flowers and flower-spikes are truly of great size. Pkt. 15 cts.; ⅛oz. 35 cts.; ¼oz. 60 cts.

3082 **Afterglow.** A fine new variety. Color is a deep golden bronze. Excellent for outdoor or under-glass cultivation. Pkt. 50 cts.

3078 **Geneva Yellow.** Our own introduction. A pure canary-yellow with golden yellow throat. Large, bold flowers on long, strong stems. A distinct improvement over Canary Bird and a fine forcing variety. Pkt. 50 cts.

3080 **JENNIE SCHNEIDER.** A beautiful new, rose-pink, early forcing variety. Pkt. 35 cts.; 1/32oz. 90 cts.

3076 **GENEVA PINK.** Has spikes of large, beautiful, glistening rose-pink flowers. One of the best for growing under glass. Pkt. 25 cts.; 1/32oz. 75 cts.; 1/16oz. $1.40.

3083 **Cheviot Maid.** A clear pink. Pkt. 50 cts.; 1/32oz. $1.00.

3084 **SILVER PINK.** Shade of pearly pink. Pkt. 15 cts.; 1/16oz. 25 cts.

3072 **LARGE-FLOWERING MAJUS, MIXED.** An elegant assortment of innumerable rich colors and shades. Pkt. 10 cts.; ⅛oz. 25 cts.

Giant-Flowered Maximum. Far surpasses anything yet introduced. Slightly taller than the Majus group. Flowers are of magnificent size, closely placed on long stems. Slightly variable in size and color. (See illustration at right.)

3050 **Old Gold.** Deep golden yellow.
3052 **Canary Bird.** Canary-yellow.
3054 **Purple King.** Deep purple.
3056 **Copper King.** Copper-scarlet.
3058 **Ruby.** Rich, velvety ruby-red.
3060 **The Rose.** Begonia-rose.
3062 **Snowflake.** Pure white, yellow lip.

Prices of above 7 varieties, each, pkt. 15 cts.; 1/16 oz. 25 cts.

Collection Giant-flowered Snapdragons — This collection contains a packet each of above colors. Purchased separately would cost $1.05. **7 pkts. 85c.**

3074 **Rock Hybrids.** ○ Early-flowering dwarf hybrid Snapdragons, 6 inches tall. Compact bushes of various colors and shades. Especially for rockery or edging. Pkt. 25 cts.

Giant Flowered Snapdragon

ANEMONE (Wind Flower) ○

Culture H. Sow seed ⅛ inch deep. Hgt. 12 to 18 in; sun or partial shade. For bordering and rock-garden.

3040 **ST. BRIGIDS STRAIN.** The true Irish variety. Fine array of mixed colors. Plant 12 ins. tall; blooms in May and June. Pkt. 20 cts.; 1/16oz. 40 cts.

3042 **Sylvestris.** (Snowdrop Windflower.) Sweet-scented white flowers on 12 to 18 inch stems. Blooms in April and May. Pkt. 15 cts.; 1/16oz. 30 cts.

3044 **ANCHUSA, Angustifolia Capensis Blue Bird.#** Compact plant; 2 ft. high. Vivid indigo flowers. Culture J. Sow seed 1/16 inch deep. Pkt. 15c; ⅛oz. 40c.

Campanula-Rotundifolia

3458 **Cardinal Climber.** = An annual climber of wonderfully vigorous growth, climbing 20 feet in a season. Beautifully cut foliage. Culture B. Soak seed over night, sow ½ inch deep. Pkt. 10 cts.; ⅛oz. 25 cts.

CAMPANULA +

(Canterbury Bells)

Culture J. Sow seed 1/16 inch deep. Hgt. 6 to 24 in.; sun. For bordering, cutting, and rock-gardens.

3420 **Livingston's Prize Mixture.** An elegant mixture of all finest classes and colors of single and double and "Cup and Saucer" varieties. Pkt. 10 cts; ⅛oz. 30c.

3422 **CALYCANTHEMA** (Cup and Saucer Bellflower). Pkt. 10 cts.; ⅛oz. 30 cts.

3424 **Finest Double Mixed.** Pkt. 10 cts.; ⅛oz. 20c.

3426 **Finest Single Mixed.** Pkt. 10 cts.; ⅛oz. 20c.

3428 **Pyramidalis Mixed#** (Chimney Bellflower). A hardy perennial flowering in late summer. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

3430 **CARPATICA.**○ Beautiful free-flowering, hardy perennial. Height 9 inches. Blue and White. Mixed, pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3431 **ROTUNDIFOLIA. (Blue Bells of Scotland).**○ Matted foliage. Dainty blue flowers. Pkt. 15 cts.; 1/16oz. 85 cts.; ⅛oz. $1.50.

3432 **TURBINATA.**○ Grows to 6 inches with beautiful cup-shaped flowers of blue smothering the plant. Pkt. 15 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

Calendula (Pot Marigold) ×

Culture B. Sow seed to depth 4 times their size. Hgt. 12 to 18 in.; sun or partial shade; blooms July to frost. Fine for bedding, borders and cut-flowers.

3386 **SENSATION.** A sensational development. Has large, double orange flowers with a scarlet sheen. The long, strong stems make it unexcelled for cutting. Pkt. 15 cts.; ⅛oz. 35 cts.

3384 **RADIO.** A new introduction. Orange flowers of medium size, with beautifully quilled petals. Try it. Pkt. 10 cts.; ⅛oz. 30 cts.

3380 **Orange King.** Large, full double, deep orange. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3382 **Ball's Orange.** A beautiful variety, especially adapted to forcing. Pkt. 10 cts.; ⅛oz. 30 cts.

3388 **FINE DOUBLE MIXED.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 40 cts.

Sensation Calendula

BALSAM ×

Culture B. Sow seed ⅛ inch deep. Hgt. 1½ to 2 ft.; sun; blooms August and September from spring sown seed.

3348 **BUSH FLOWERING, MIXED.** Free-flowering, double. Flowers come in clusters at top of stem. Pkt. 15c; 1/16oz. 25c.

3350 **LIVINGSTON'S PREMIUM, FINEST MIXED.** Large, double flowers. Varied and brilliant colors. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3352 **Double Camellia-Flowered, Finest Mixed.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3354 **Double Mixed.** Pkt. 10 cts.; ¼oz. 25 cts.; oz. 60 cts.

3360 **BALSAM APPLE and PEAR (Momordica), Mixed.**× Vining. Golden yellow fruit. Brilliant blood-red interior. Pkt. 10 cts.; ¼oz. 30 cts.

CALLIOPSIS (Coreopsis)×

Culture B. Sow seed ⅛ inch deep. Hgt. 1 to 2 ft.; sun; blooms June to August from spring sown seed. Used for bedding, massing and cutting.

3390 **HYBRIDA SUPERBA.** Very showy new hybrids, varying from pale yellow to rich orange and velvety brown. Pkt. 10 cts.; ⅛oz. 15 cts.

3392 **Golden Wave** *(C. Drummondi).* Large golden yellow flowers with brown centers. Pkt. 10c; ⅛oz. 15c; ¼oz. 25c.

3394 **Mixed Tall Sorts.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3396 **Mixed Dwarf Sorts.** Pkt. 10c; ⅛oz. 15c; ¼oz. 25c.

3398 **Lanceolata grandiflora.**# (Harvest Moon.) Culture J. Sow seed to depth four times their size. Large blooms of golden yellow. Hardy perennial, fine for massing and cutting. Pkt. 10 cts.; ¼oz. 25 cts.

Calliopsis

Use "TRUE BLUE" Flower Seeds for best results

BEGONIA ÷

Culture E. Sow seed on surface and firm soil. Hgt. 12 in.; blooms May to October, and inside in winter.

3364 **Gracilis luminosa.**÷ A brilliant, fiery dark scarlet. The plant is of sturdy growth, forming dense bushes 1 foot high, hidden with flowers from May until frost. Pkt. 25 cts.

3366 **Vernon.** Bright orange-carmine flowers and very dark leaves. Start seed early. Pkt. 10 cts.; 1/32oz. 30 cts.

3370 **Finest Mixed.** A superior assortment. Pkt. 10 cts.; 1/32oz. 25 cts.

CINERARIA

Culture E. Sow seed on surface and merely cover. Hgt. 18 in.; house plant; does well outside in summer.

3525 **Multiflora Nana.** *New.* Dwarf plants with masses of small self-colored flowers. Dainty foliage. Pkt. 25 cts.

3526 **Livingston's Prize Mixture.** Contains richest colors; large. Pkt. 25 cts.

3528 **Maritima.**× (Dusty Miller). Silvery white foliage. Height, 1 foot. Perennial, but usually grown as an annual. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

CANDYTUFT (Iberis)×

Culture C. Sow seed 1/16 inch deep. Hgt. 6 to 12 in.; sun; bloom June to October. For edging and cutting.

3404 **Rose Cardinal.** Very large umbel of bright rose-cardinal flowers, so prolific that a bed presents an unbroken sheet of bloom. Height, 8 ins. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3406 **EMPRESS or GIANT HYACINTH - FLOWERED.** An improved strain, producing immense trusses of pure white bloom, 4 inches in length by 2 inches through. Fine for bedding and cutting. Height, 1 ft. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3402 **Large-flowering Dwarf, Mixed.** Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3408 **White Rocket.** Compact spikes. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

3412 **Mixed Annual Sorts.** Pkt. 10 cts.; ¼oz. 20 cts.; oz. 45 cts.

PERENNIALS for Rock-garden

Culture J. Sow seed ⅛ inch deep.

3414 **GIBRALTARICA.**○# A dwarf evergreen plant flowering in early spring and summer. Used for rockeries, edging, or in the foreground of perennial borders. Lilac, shading to white. Pkt. 10c; ⅛oz. 30c.

3416 **SEMPERVIRENS.**○# Pure white. Pkt. 10 cts.; ⅛oz. 50 cts.

Marguerite Carnations

Carnations

Culture G. Sow seed 1/8 inch deep. Hgt. 6 to 12 in.; sun; blooms June to frost. For pot-plants, bedding and rock-gardens. Needs winter protection. Half-hardy.

3442 **Giant Marguerite.** Enormous flowers; colors most varied and brilliant. They come **into full bloom in four months from sowing** and continue until hard frosts. Our strains are semi-dwarf and strong growers. Height, 1 foot. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.

3444 **Marguerite Double Yellow.** Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.

3440 **LIVINGSTON'S PEERLESS MIXTURE. All bloom the first summer.** A very choice mixture including all superb sorts. Pkt. 15c; 1/16oz. 30c.

3446 **Chabaud's Giant Perpetual.** Comes into bloom in a little over four months from seed; extra-large size; fine range of colors; is very sweet-scented. Mixed colors. Pkt. 10c; 1/16oz. 20c.

3448 **CHABAUD'S GIANT IMPROVED, Mixed.** A greatly improved strain. Blooms of large size, fine form. About 90 per cent double and highly clove-scented. Pkt. 15 cts.; 1/16oz. 30 cts.

3452 **RED GRENADIN.**○ Dwarf hardy perennial. Double red flowers; no outdoor Carnation can equal it. Pkt. 10 cts.; 1/16oz. 30 cts.

3450 **Fine Double Mixed.** Pkt. 10c; 1/16oz. 20c.

CELOSIA OR COCKSCOMB ×

Culture B. Sow seed 1/16 inch deep. Hgt. 2 to 3 ft.; sun; blooms July to frost from spring sown seed. Fine for bedding and everlastings.

Ostrich Plume Varieties

Graceful, handsome, pyramidal plants 3 feet high, each branch tipped with brilliantly colored plume resembling an ostrich feather.

3470 **THOMPSONI MAGNIFICA.** Mammoth blossoms of vivid scarlet, purple, blood-red, golden yellow, salmon, etc. Mixed colors. Pkt. 10 cts.; 1/8oz. 25 cts.

3472 **Gold Plume.** Golden-yellow. 3474 **Fire Plume.** Fiery Scarlet
Price of either: Pkt. 10 cts.; 1/8oz. 25 cts.

COLLECTION: 3 Ostrich Plume varieties above. Would cost 30c separately. **25c**

CHINESE WOOLFLOWER. Unique type of the Ostrich Plume variety. Forms large, globular heads, like balls of wool, of a rich color. 2 to 3 feet.

3462 **Pink.** 3464 **Crimson.** 3460 **Mixed.** All colors.
Price of either: Pkt. 10 cts.; 1/8oz. 25 cts.

Comb Varieties

3476 **GLASGOW PRIZE.** Dark crimson. Pkt. 10 cts.; 1/8oz. 25 cts.

3478 **Finest Dwarf, Mixed.** Pkt. 10 cts.; 1/8oz. 25 cts.

Adolph Kuechler, Hamilton County, Ohio, writes: *"As an old customer of Livingston's for about 30 years, I wish to say that your seeds, both vegetable and flower, can't be beat. Always had wonderful results."*

Ostrich Plume Celosia

CANNAS ×

Culture H. File off one end of seed, soak over night and sow 1 inch deep. Hgt. 2 to 3 ft.; sun; blooms July to frost. Excellent for bedding and massing.

3436 **Large-flowering French Hybrids, Mixed.** Easily grown from seed. Pkt. 10 cts.; oz. 30 cts.

3568 **CRUCIANELLA, Stylosa.**○ Culture J. Sow seed 1/8 in. deep. Sun or partial shade. Tangled masses of fine foliage with many heads of red flowers. Grows about 18 inches high and fine for rock gardening. Pkt. 15 cts.; 1/8oz. 30 cts.; 1/4oz. 50 cts.

CHRYSANTHEMUMS (Perennial)

Culture J. Sow seed 1/8 inch deep. Hgt. 2 to 3 ft.; sun; blooms August to October. Used in borders.

3516 **Japanese Hybrids.** Double. Pkt. 15c; 1/32oz. 75c.

3518 **Inodorum.** (Bridal Robe). New; pure white; extra fine. Pkt. 10 cts.; 1/8oz. 30 cts.

3512 **CHEIRANTHUS, Allioni.**○ (Siberian Wallflower.) Culture J. Sow seed 1/8 in. deep; sun; blooms May and June. Dazzling fiery orange, 12 inch stems. Fine for your rock-garden. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.

Old-Fashioned Centaureas

Culture D. Sow seed ⅛ inch deep. Hgt. 2 feet; sun or partial shade; blooms July to October from spring sown seed. Fine for massing and cutting.

Cyanus × +

3486 **BACHELOR'S BUTTON.** The true old-fashioned Bachelor's Button of your grandmother's garden. Mixed colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3488 **Emperor William.** Rich, deep blue Bachelor's Button. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3490 **DOUBLE BLUE.** A standard variety largely used by florists. It is identical in color to the popular single blue variety, but being a full, double flower makes it better for cutting. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 60 cts.

Giant-Flowering Sweet Sultans (imperialis) ×

The blooms are borne on long stems. Of the easiest growth; very showy in the garden all summer long.

3496 **Giant Mixed Colors.** An elegant assortment of colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts; oz. 85 cts.

3498 **LIVINGSTON'S CHOICE MIXTURE.** A grand mixture of all the Bachelor's Buttons and Giant Sweet Sultans. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 85 cts.

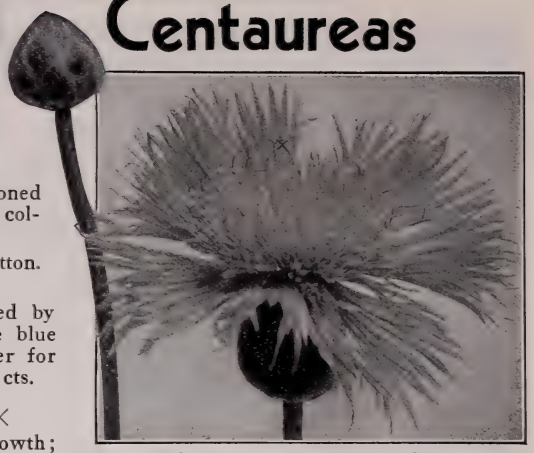
White-Leaved Centaureas (Dusty Millers) ×

Silver-foliaged plants, extensively used for edging, hanging-baskets, etc.

3502 **Candidissima.** Very thick, broadly cut, silvery white leaves. Height, 1 ft. Pkt. 10 cts.; $\frac{1}{16}$oz. 30 cts.; ⅛oz. 50 cts.

3500 **Gymnocarpa.** Leaves fern-like; silvery gray color. Fine for borders. Height 1½ feet. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.; oz. 90 cts.

John B. Whitehead, York County, Maine, writes: *"If you did not say a word in favor of your business, the fact that you are still selling, after all these years, proves that you have given satisfaction to all."*



Giant-flowering Sweet Sultan

COLEUS ×

Culture A. Sow seed 1/16 inch deep. Hgt. 8 to 12 in.; sun or shade. For bordering and pot culture. Striking colors and brilliant variegated leaves.

3542 **Fine Mixed Hybrids.** Mixed seed from a very fine collection. Pkt. 10c; $\frac{1}{32}$oz. 35c.

3540 **Extra-Fine Mixed Hybrids.** Our finest mixture. Pkt. 15 cts.; $\frac{1}{32}$oz. 45 cts.

3544 **Large - leaved Fringed.** Beautiful leaves. Pkt. 20 cts.; 1/64oz. 45 cts.

Livingston's Gladiolus Bulbs

We offer something very special in Gladiolus Collections on page 6. Splendid varieties in strictly first-size bulbs. We also offer the best named varieties at reasonable prices.

Shasta Daisies. An extraordinary fine variety. You should have more of them in your garden.

CERASTIUM ○

Culture J. Sow seed ⅛ inch deep. Hgt. 4 in.; sun; bloom June and July. For rock-gardens and bordering.

3508 **Tomentosum** (Snow-in-Summer). A low-growing plant, having silvery white foliage and producing an abundance of snow-white flowers. Pkt. 15 cts.; $\frac{1}{16}$oz. 25 cts.; ⅛oz. 35 cts.

CYPRESS VINE (Ipomœa quamoclit) ×=

Culture B. Soak seed over night, sow ½ inch deep. Hgt. about 10 ft.; sun.

3580 **Finest Mixed.** A beautiful annual climber, with fernlike foliage and graceful star-shaped flowers. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.; oz. 60 cts.

DAISIES

×ANNUAL—Culture C # PERENNIAL—Culture J

Sow seed ⅛ inch deep; sun or partial shade; used in borders and fine for cut flowers. Does best in rich soil and cool situation; needs protection in winter. Charming for pots, edgings and borders.

3598 **Arctotis Grandis** × (African Daisy). A useful and charming cut-flower from June till frost, lasting a week in water. The daisy-like flowers are glistening white but variegated by the under-surface of pale lilac-blue. Grows 2 to 3 feet. Pkt. 10 cts.; ⅛oz. 20 cts.

3600 **Bellis Perennis (Monstrosa),** Mixed.#○ This assortment includes the Pink and White Montrosa as well as many other fine sorts. Hgt. 6 inches. Blooms May and June. Pkt. 10 cts.; $\frac{1}{16}$oz. 25 cts.; ⅛oz. 45 cts.

3608 **Shasta Daisy** # **Selected Seed.** A hardy perennial plant that blooms more abundantly each season and is multiplied by division of roots or sowing seed. They bloom for several months in great abundance. The flowers are large and graceful, with three or more rows of pure white petals. This is the variety so generally sold by florists, and no flower-garden is complete without it. Hgt. 2 feet. Pkt. 10c; ⅛oz. 35c.; ¼oz. 60c.

CENTAUREAS LEND A CHARMING ATMOSPHERE TO MODERN GARDENS

Livingston's Mammoth Cosmos ×

Extra Early Flowering Cosmos

DAHLIAS ×

Culture H. Sow seed to depth four times their size. Hgt. 3 to 5 ft.; sun; blooms July to frost.

There is a fascination in growing Dahlias from seed as they always produce many new types and colors. As soon as the plants are large enough and the weather warm, plant in the open, not closer than 2 feet apart. Protect the tubers over winter in a dry cellar in sand.

3590 **LARGE-FLOWERING CHOICEST DOUBLE MIXED.** This elegant assortment of seed is saved from round, double flowers; many beautiful colors. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3592 **Cactus Varieties, Choicest Mixed.** Distinct and elegant; petals pointed; blooms perfectly double. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 45 cts.

3594 **Livingston's Superb Dahlia Mixture.** Very Choice. Embraces every variety above and many others. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.; ¼oz. 85 cts.

DIDISCUS (Lavender Lace Flower) ×

Culture B. Sow seed ⅛ inch deep.

3644 **CÆRULEA.** This pretty annual blooms most profusely from July till November. The exquisite pale lavender blossoms are excellent for cutting. Plants grow about 18 inches high, and have as many as 50 flowers open at one time. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

See flower Novelty and Specialty pages, 2 and 3 for the new and most popular varieties.

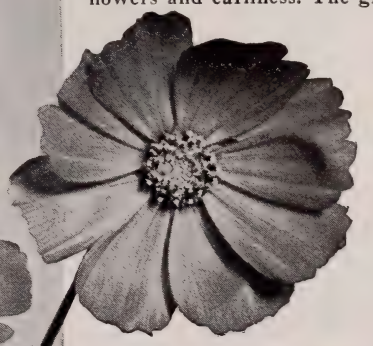
Elegant Blooms 'til Frost

Culture B. Sow seed ⅛ inch deep. Hgt. 5 to 6 ft.; sun; blooms August to October from spring-sown seed.

None of our autumn flowers are more prized than the Cosmos. The thrifty plants produce thousands of the most elegant blossoms in pure white, pink, and crimson shades. As a decorative garden plant its value is inestimable, while as cut-flowers for home decoration nothing is finer.

Extra-Early Mammoth-Flowering

This is a new strain of Cosmos selected for size of flowers and earliness. The growth of this new Cosmos is very rapid.



3552 **White.** Pure white.

3554 **Pink.** Light pink.

3556 **Crimson.** Brilliant.

Price on any above, Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 75 cts.

3558 **Mixed.** A well-blended mixture of white, pink, and crimson. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 75 cts.

MAMMOTH PERFECTION, GIANTS OF CALIFORNIA. Magnificent strain. The individual flowers are of enormous size and the most perfect form, while the colors are richly brilliant. These represent the highest developed types in Cosmos. Will keep a week in water after being cut.

3560 **Mammoth Perfection, Mixed.** A superb mixture of every color and shade in these splendid Cosmos. Pkt. 10 cts.; ¼oz. 20 cts.; oz. 50 cts.

Double-Crested Cosmos

A new class, producing beautifully crested flowers which lend themselves to the most artistic arrangement.

3550 **Mixed.** Pkt. 15c; ⅛oz. 30c; ¼oz. 50c.

Beautiful Double-Crested Cosmos

Orchid-Flowered Cosmos

3562 **Lady Lenox, Pink.** Flowers are 4 to 5 inches in diameter. Color a delightful shell-pink, lighting up beautifully at night. Splendid variety. Height, 6 to 7 feet. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 60 cts.

3564 **Lady Lenox, White.** Similar to above except white. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 60 cts.

CLARKIA ×

3538 **ELEGANS, Choice Double Mixed.** Easy to grow anywhere. Fine double flowers on long stems, exceedingly bright, very profuse. Culture B. Sow seed ⅛ inch deep; hgt. 2 to 2½ ft. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

COSMOS MAKE A FINE AUTUMN BACKGROUND OF COLOR

Livingston's Dianthus

3636 **LIVINGSTON'S MIXTURE OF HARDY GARDEN PINKS.** A magnificent strain of hardy garden Pinks containing all the sorts described on this page and many new varieties not listed by us. Choicest single and double sorts of bright and brilliant colors make this mixture one of the most desirable for the hardy garden. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Annual and Hardy

Double Annual Pinks

Culture A. Sow seed ⅛ inch deep. Hgt. 1 foot; sun or shade; blooms July to October. Very popular for bedding and cutting; good rock-garden annual.

3642 **Sweet Wivelsfield.** *New.* Growth is like Sweet William but has larger flowers and wider color range. Highly perfumed. Pkt. 15 cts.; ⅛oz. 35 cts.; ¼oz. 65 cts.

3624 **GIANT FRINGED AND RUFFLED PINKS, Double Marvelous** or **Japanese Fringed Pinks** *(D. mirabilis fl.-pl.)* Remarkable Strain. Double flowers on stiff stems, petals deeply cut with thread-like fringes and are twisted in all directions, presenting a novel aspect. Large color range. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3632 **Livingston's Mixture of Double Pinks.** A splendid combination of all the best varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

Hardy Garden or Clove Pinks

Culture J. Sow seed ⅛ inch deep. Hgt. 1 foot; sun; blooms May to October. Fine for edging, cutting and rock-gardens.

3620 **Highland Queen.** ○ *New.* Brilliant flowers of a lustrous scarlet vermillion. Profuse bloomer, vigorous growth. Fine for rock-gardens as it blooms from May until November. Pkt. 25 cts.; 1/16oz. 50 cts.; ⅛oz. 90 cts.

3622 **Allwoodii.**○ Very hardy, blooming from early spring until late fall. Flowers come in every color except yellow and a good per cent of them are double. Pkt. 25 cts.; 50 seeds 50 cents; 100 seeds 85 cents.

3623 **Allwoodii alpinus.** ○ A new novelty in hardy Dianthus. Grows 4 to 6 inches high, has both single and double flowers in beautiful mixed colors. Pkt. 25 cts.; 50 seeds 60 cts.; 100 seeds $1.00.

3628 **Cæsius** (Cheddar Pink).○ *(D. plumarius.)* Forms dense tufts of plants only a few inches high and has rosy pink, sweet-scented small flowers. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3630 **Deltoides** (Maiden Pink.)○ A beautiful little plant, with narrow leaves and quantities of small crimson flowers. Adapted to rockeries. Pkt. 10 cts.; 1/16oz. 25 cts.; ⅛oz. 40 cts.

3638 **Double Large-flowering Grass** or **Spice Pinks.**○ *(D. plumarius semperflorens fl.-pl.).* The fringed and spotted flowers are much larger and more double than the older varieties; have richer colors, including many not known to the old-fashioned Pinks. Sweet, spicy odor, perfectly hardy, blooms profusely during the spring and early summer. 12 inches. Pkt. 15 cts.; ⅛oz. 40 cts.

3634 **Single Large-flowering Grass** or **Spice Pinks, Mixed.**○ These are the same as above, only single. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

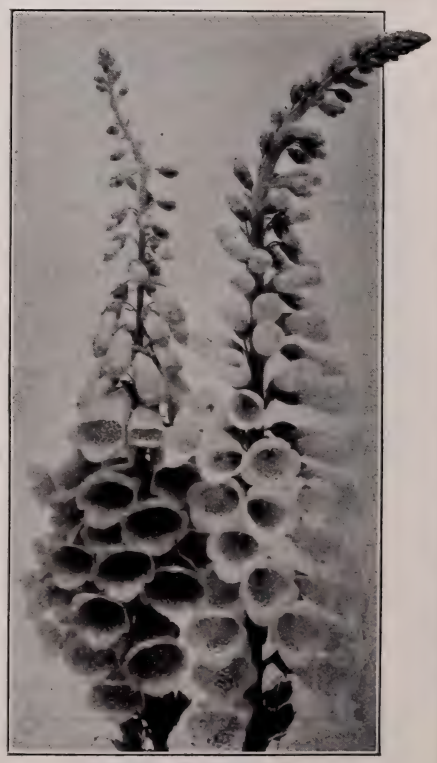
DIGITALIS (Foxglove)

Culture J. Sow seed on surface and merely cover. Hgt. 3 to 4 ft.; sun or partial shade; bloom June and July. The large, tube-like flowers, produced freely in beautiful spikes, add much to hardy beds and borders.

3650 **Gloxiniæflora.** A beautiful class, with spotted flowers. We offer a mixture of finest varieties. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

3652 **MONSTROSA** (Mammoth Foxglove). A grand strain. The top flowers of the spikes are of enormous size. Fine assortment of colors. Splendid mixture. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

3654 **PURPUREA, Finest Mixed.** The common Foxglove so generally known. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.; oz. 90c.



Digitalis (Foxglove)

Livingston's Select Delphinium

(Hardy Perennial Larkspur)

Culture J. Sow seed to depth four times their size. Hgt. 2 to 4 feet; persistent bloomer in sun or partial shade and driest seasons. Blooms June to August. Excellent for bedding. Fine as cut flowers.

3610 **New Giant-Flowering Hybrids.** These magnificent hybrids, the grandest of Delphiniums in existence, produce splendid spikes of immense flowers, semi-double and double. Flower-spikes are from 2 to 5 feet in length. The colors are very beautiful, ranging from pure white through all the shades of lavender and blue. Mixed colors. Pkt. 15 cts.; ⅛oz. 40 cts.; ¼oz. 75 cts.

3614 **BELLADONNA.** Light sky-blue flowers, with light centers; a very fine variety. Height, 4 feet. Pkt. 20 cts.; ⅛oz. 50 cts.; ¼oz. 85 cts.

3612 **BELLAMOSA.** A dark blue form of the popular light blue Belladonna. It is identical in habit of growth and freedom of bloom of the former, but with intensely rich, deep blue flowers. Pkt. 20 cts.; ⅛oz. 50 cts.; ¼oz. 85 cts.

Delphinium

Wrexham (Hollyhock Strain) Delphinium

The greatest advance yet made in this splendid class

3616 Enormous spire-shaped spikes of bloom, beautiful in form. This strain has brought the Delphinium into the greatest popularity for bedding as well as for cutting. The mixture we offer contains all the colors peculiar to the Delphinium, and there are double and single blooms. Some of the blooms are of large size, fully 3 inches in diameter. Seed is American-grown from English stock.

Pkt. 35 cts.; 1/16oz. 65 cts.; ⅛ oz. $1.25

Annual Delphiniums. See Larkspur, page 25

ESCHSCHOLTZIA (California Poppies) ×

Culture C. Sow seed 1/16 inch deep. Hgt. 12 in.; sun or partial shade; blooms profusely from June to September. Splendid for bedding, massing or ribbon work.

3677 **The Geisha.** Rich golden inside, orange crimson outside. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3678 **Auriantiaca.** Fine deep golden yellow. Pkt. 10c; ⅛oz. 20c; ¼oz. 35c.

3679 **Scarlet Beauty.** Vivid, deep scarlet. Pkt. 10c; ⅛oz. 35c; ¼oz. 50c.

3680 **GOLDEN WEST.** Early and continuous bloomer. Magnificent flowers of gigantic size. Colors intense shining yellow and orange. The state flower of California. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

3682 **Finest Double Mixed.** A splendid assortment of colors. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

3684 **Finest Single Mixed.** All the best varieties. Pkt. 10c; ⅛oz. 20c; ¼oz. 30c.

3686 **Bush Eschscholtzia (Hunnemannia).#○** Perennial; forms bushy shrub 2 feet high, producing large cup-shaped flowers of clear jonquil-yellow with vivid bright orange stamens. Same culture as above. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Have some Eschscholtzia this year

LADIES' GARDEN GLOVES

Why not have us include a pair with your order.

See page 8.

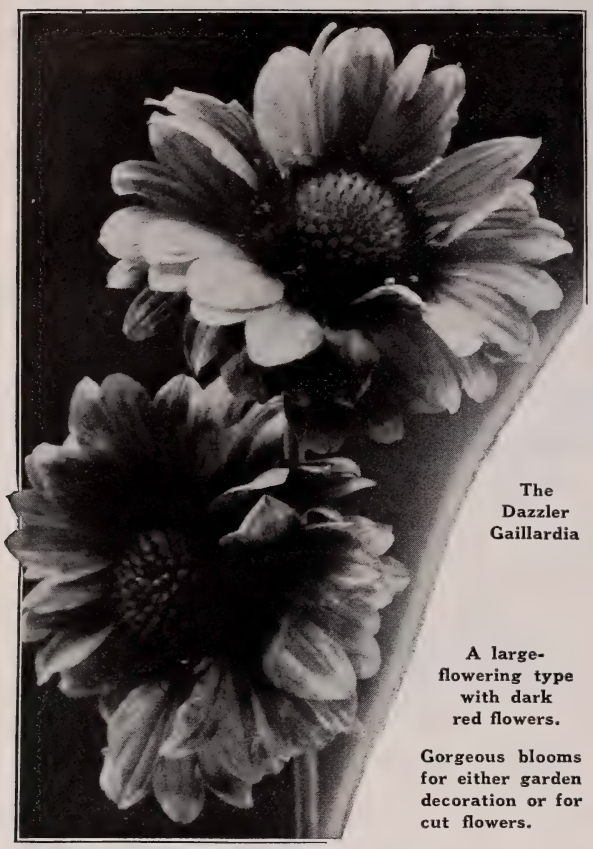
3670 **DRACÆNA indivisa÷** (Dragon Plant). Beautiful ornamental-leaved plants; long, narrow, green foliage. Indispensable as center plants for vases and for house decorations. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3674 **ERIGERON, Speciosus Grandiflorus.#** Culture J. Sow seed ⅛ inch deep. Hgt. 24 in. Single Aster-like flowers of a rich lavender purple with yellow center; blooms July to September. Pkt. 20 cts.; 1/16oz. 40 cts.

3690 **FEVERFEW** (Matricaria).×# Culture B. Sow seed 1/16 inch deep. About 1 foot high; compact and bushy. Double white blooms in June and July. Fine for bedding, cutting and pot culture. Pkt. 10 cts.; ¼oz. 35 cts.

FOUR O'CLOCK. See Marvel of Peru, page 26.

FORGET-ME-NOT. See Myosotis, page 27.



The Dazzler Gaillardia

A large-flowering type with dark red flowers.

Gorgeous blooms for either garden decoration or for cut flowers.

Gaillardia

(Blanket Flower)

×ANNUAL, Culture B #PERENNIAL, Culture J

Sow seed 1/8 inch deep. Hgt. about 2 ft. Both sorts bloom from June to frost. They are profuse bloomers and have brilliantly colored flowers. Wonderfully effective in beds, borders and as cut-flowers. Plant food (4-12-4) increases strength and bloom.

3702 **Finest Single Annual, Mixed.** A very fine assortment of many brilliant colors. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35cts.

3704 **FINEST DOUBLE ANNUAL, MIXED.** *(G. Lorenziana).* All the best double-flowering varieties in richest mixture. They bloom freely all the season. Splendid for bouquets. Pkt. 10 cts.; 1/8oz. 20 cts.; 1/4oz. 35 cts.

3698 **The Dazzler** # The best Gaillardia of the giant-flowering type. The large, dark red flower with its bright orange tips is very attractive. The new improved strain we are offering is very vigorous. Perennial. Grow the Dazzler this year. Pkt. 15 cts.; 1/8oz. 30 cts.; 1/4oz. 50 cts.

3700 **Portola Hybrids.**# *New.* Flowers of very large size, with colors ranging through shades of bronzy red, and having petals tipped with gold. Striking. Pkt. 15 cts.; 1/8oz. 30 cts.; 1/4oz. 50 cts.

3706 **GRANDIFLORA HYBRIDS, Finest Mixed.**# One of the most elegant perennials; is in continuous bloom from June until frost. Enormous red and yellow flowers. Pkt. 10c; 1/8oz. 20c; 1/4oz. 35c.

Mrs. L. Richter, Van Wert County, Ohio, writes 4-9-32: *"I am sending you an order for your 'True Blue' Seeds which I have planted for the last twenty years or better. They always grow for me."*

GERANIUMS ×

Culture G. Sow seed 1/8 inch deep. Hgt. 1 to 2 ft.; sun; long bloomer. Fine bedding or bordering plants. Also good for pots and hanging baskets.

3720 **Finest Mixed.** Pkt. 10 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

GEUM ○

Culture J. Sow seed 1/8 inch deep. Belongs to Rose family. Hgt. 18 in.; requires sun; blooms May and June. For borders and rock-gardens.

3716 **MRS. BRADSHAW.** A splendid variety with large, double, fiery red flowers. Pkt. 10 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

3718 **Lady Stratheden.** (Golden Ball.) A fine golden yellow flower of loose double formation. Plant 24 inches, does best in sun. Pkt. 15 cts.; 1/16oz. 25 cts.; 1/8oz. 40 cts.

GOURDS × =

Culture C. Sow seed to depth four times their size. Sun; blooms July from spring sown seed. Unique and ornamental foliage and fruits.

3750 **Gourd Mixture.** Pkt. 10 cts.; oz. 30 cts.; 1/4lb. 90 cts.

GYPSOPHILA (Baby's Breath)

×ANNUAL, C #PERENNIAL, J

Sow seed 1/8 inch deep. Hgt. 1 to 3 ft.; grows most any place; blooms from June on. Used for borders, cutting and rock-gardens.

3760 **Repens.**○# A beautiful trailing plant for the rockery. Has numerous small, white and pink flowers in July and August. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.

3762 **Elegans alba grandiflora** (Paris Market).× This is an improved, large-flowering, pure white, annual Baby's Breath of free, easy growth. Pkt. 10 cts.; 1/4oz. 20 cts.; oz. 45 cts.

3764 **Paniculata.**# An elegant hardy perennial plant that should be in every garden. Its delicate little flowers are produced in feathery white panicles. Pkt. 10 cts.; 1/8oz. 25 cts.; 1/4oz. 40 cts.

3766 **Paniculata fl.-pl.**# Double. Pkt. 25c; 1/32oz. 35c; 1/16oz. 60c.

"BETTER HOMES AND GARDENS" MAGAZINE

For friendly "how to" information on gardening you should subscribe for this magazine. Just add it to your order.

1 YEAR 60 cts. 2 YEARS $1.00

GLOBE AMARANTH.× Culture B. Sow seed 1/8 inch deep. Sun. Flowers resemble clover-heads. Fine for beds, borders and everlastings. Hgt. 18 in.

3736 **Mixed.** Pkt. 10 cts.; 1/8oz. 15 cts.

IT IS EASY TO ORDER FROM US

You have no postage to figure on seed. We pay it. See page 1

Gypsophila (Baby's Breath)

"Everlasting" Helichrysum ×

(Straw Flower)

Culture B. Sow seed ⅛ inch deep.

MONSTROSUM FL.-PL. Succeeds in any good garden soil, prefers sun. The large, double flowers of rich, glittering colors in August and September make fine display in beds and borders, but are especially grown to dry for winter use inside. For this, they should be cut when flowers are about one-third open and with as long stems as possible; foliage removed; tied in bunches and hung up with heads downward in some dry place until stems are thoroughly dry. Hgt. of plant 2 to 3 ft. We offer these choice colors and our special mixture.

3780 **Golden Globe.**
3782 **Canary-Yellow.**
3784 **Silver Globe.**
3786 **Fireball.**
3788 **Crimson.**
3790 **Rose-Carmine Shades.**
3792 **Salmon.**
3794 **Violet.**
3796 **Salmony Red.**
3798 **Scarlet.**
3800 **White.**

Price of above separate colors, pkt. 10 cts.; ⅛ oz. 20 cts.

COLLECTION: 7 pkts., our selection. Would cost 70c separately. **50c**

3802 **Mixed.** A mixture of the above and other colors. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.; oz. 75 cts.

HELIOTROPE ×

Culture G. Sow seed ⅛ inch deep. Hgt. 18 to 24 inches; prefers sun; blooms July to October from spring sown seed. Has delicious fragrance. Fine for bedding, pots and bouquets.

3776 **All Sorts Mixed.** In best assortment; all shades, both light and dark. A very desirable strain. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

Heliotrope

3774 **LEMOINE'S GIANT HYBRIDS.** Grand flowers, double the size of the older sorts. Bushes compact, heads of mammoth blossoms often measure a foot across. Deliciously fragrant. Produces flowering plants by July, which continue in flower until frost. Mixed, including Purple, White, Lavender, and Blue. Plant, 18 inches high. Pkt. 10 cts.; $\frac{1}{16}$oz. 20 cts.; ⅛oz. 35 cts.

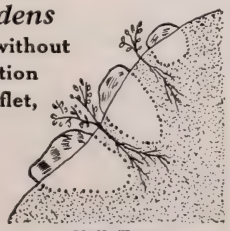
3840 **KENILWORTH IVY** *(Linaria Cymbalaria)*.○ A hardy perennial trailing plant suitable for vases, etc. Adapted to shady locations. Lovely little lavender and purple flowers and exquisite foliage. Culture J. Sow seed $\frac{1}{16}$ in. deep. Pkt. 10 cts.; $\frac{1}{16}$oz. 25 cts.

3848 **KUDZU VINE** *(Pueraria Thunbergiana)*.#= Wonderful climber, of Japanese origin, reaching 8 to 10 feet the first year from seed, and producing vines 50 feet high. Culture C. Soak seed overnight. Sow ½ in. deep. Unequaled for porches, arbors, trellises. Pkt. 10c.; ⅛oz. 20c.

The New Vogue is Rock-Gardens

Your garden is not complete without one. Buy our Rock-Garden Collection on page 8 and start now. A leaflet, "How to Build a Rock-Garden," is free. Ask for it.

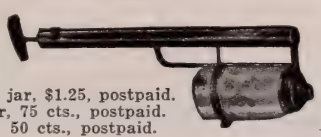
It tells how to properly build the Cliff, Alpine and Wall types, the three most common kinds.



Cliff Type

HAND SPRAYERS

Works easy, stays in order, and will last longer than any Sprayer in its class. Large size is 22 inches long.



Quart size, with Mason jar, $1.25, postpaid.
Quart size, with tin jar, 75 cts., postpaid.
Pint size, with tin jar, 50 cts., postpaid.

Helichrysum

HIBISCUS (Marshmallow)

Culture J. Sow seed ⅛ inch deep. Hgt. 4 to 5 ft.; prefers moist, partially shaded location; blooms July to October. Especially adapted to background and border planting.

3966 **Mallow Marvels.** A robust type of upright habit, producing an abundance of flowers of enormous size in all the richest shades of crimson, pink, and white. **Mixed colors,** pkt. 10 cts.; ⅛oz. 20 cts.

3770 **Helianthemum. Mutabile (Rock Rose).**○ Culture J. Sow seed to depth four times their size. Hgt. 8 to 12 in.; sun; forms large clumps with rose, lilac, white and yellow flowers with silk-like petals. For bedding and rock-gardens. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

3806 **Heuchera. Sanguinea.**○ (Coralbells). Culture J. Sow seed $\frac{1}{16}$ in. deep. Shoots 18 inch flower spikes in July and August from low growing foliage. Flowers small, bright red. Grows in sun or partial shade. Fine for cutting and excellent for rock-gardens. Pkt. 10 cts.; $\frac{1}{32}$oz. 50 cts.; $\frac{1}{16}$oz. 90 cts.

3844 **Kochia. Childsi** (Summer Cypress or Burning Bush).× Culture B. Sow seed $\frac{1}{16}$ inch deep. Grows quickly from seed sown in open ground. Plants make attractive globe-shaped bushes, 3 ft. high by 2 ft. across. Does best in sun. Pea-green slender leaves until September when they turn blood-red and are tipped with small scarlet flowers. Pkt. 10c; ⅛oz. 20c; ¼oz. 30c.

We offer many real bargains in flower seed collections throughout this book. Take advantage of them and have more flowers.

Best Hollyhocks

×ANNUAL. Culture A #PERENNIAL Culture K

Sow seed to depth four times their size. Hgt. 5 to 8 ft.; requires rich soil and sunny location; blooms in July. Once established they bloom stronger and better every year.

3808 **Double Triumph.** # A new variety of branching habit. Fine waved and fringed flowers on all stems. Entirely new range of colors. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

LIVINGSTON'S PRIZE HOLLYHOCKS.# The largest flowering and most perfectly double Hollyhocks we have been able to procure after many years of selection of only the best varieties. The colors are rich and brilliant, the plants free from disease, as well as very robust and strong growers. Unsurpassed.

3810 **Double Black**
3812 **Double Lemon-Yellow**
3814 **Double White**
3816 **Double Rose-Pink**
3818 **Double Crimson**
3820 **Double Scarlet**
3822 **Double Salmon**

Each color, pkt. 10 cts.; ⅛ oz. 25 cts.; ¼ oz. 35 cts.

LIVINGSTON'S PRIZE MIXTURE

3824 Our best perennial mixture. Composed exclusively of finest double-flowering varieties. Contains above colors and innumerable other shades.

Pkt. 10 cts.; ⅛ oz. 20 cts.; ¼ oz. 30 cts.

3826 **Mammoth Allegheny.**# Large flowers in colors from the palest pinks to the deepest reds. Lovely fringed and transparent petals. Contains single, semi-double and double kinds. Blooms from July to frost. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

Liatris

3828 **Mixed Annual Everblooming.**× Glorious new hybrids which can be treated the same as annuals and will bloom the same year from seed. Started inside, they will bloom in July. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

LUPINUS (Lupine)

ANNUAL. Culture B. Soak seed overnight, sow ½ in. deep. Prefers partial shade. Graceful spikes of pea-shaped flowers.

3916 **Hartwegi, Mixed.** Pkt. 10 cts.; ¼oz. 25 cts.

Polyphyllus.

PERENNIAL. Culture J. Soak seed overnight, sow ½ in. deep. Hgt. 3 ft. Blooms May and June.

	Pkt.	¼oz.
3920 White	$0 10	$0 25
3922 Blue	10	25
3924 Rose	10	30
3926 Mixed	10	25

LIATRIS

(Kansas Gay Feather)

3888 **Scariosa.** A rare North American species. Grows 4 to 5 ft. tall and blooms from the top downward, the reverse of all other spikes. Flowers are rosy purple. Culture J, sow seed ⅛ inch deep. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

GET RID OF ANTS EASY with "ANT GAS." See page 8

Livingston's Prize Hollyhocks

3886 **LAVENDER** *(Lavandula vera)*.# True Lavender. Sweet-scented flowers from July to September. Culture J. Sow seed ⅛ inch deep. Hgt. 3 ft. Pkt. 10 cts.; ⅛oz. 20 cts.

3930 **LYCHNIS, Mixed Hybrids.**#○ Culture J. Sow seeds ⅛ in. deep. Hgt. 2 ft.; sun; blooms first year if sown early. Compact, bushy plants with flowers from pure white to deepest red. Pkt. 10 cts.; ⅛oz. 30 cts.

3852 **Lantana.** **Mixed.**× Popular, free-blooming, and very rapid-growing plants with flower-heads of various colors, which are continually changing; emit a powerful aromatic perfume; plants are completely loaded with blossoms, succeeded by berries which, when ripe, turn deep blue. Used largely for bedding out in summer and are also fine winter-blooming plants. Culture G. Sow seed ⅛ in. deep. Height 1½ ft. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

Mr. G. A. Gordon, Marshall County, Iowa, writes: *"For ten years I have annually used your Giant Flowering Nasturtiums, some years planting the collection and other years the Top Notch Mixture. During these years, excepting one, I have shown Nasturtiums in flower contest in the Central Iowa Fair and against sharp competition I have been defeated for first place just once."*

New Giant Imperial Base-Branching Larkspurs. You'll enjoy growing these.

Newer Larkspurs ×

(Annual Delphinium)

Culture D. Sow seed ⅛ inch deep. A much improved old-fashioned flower. Thrives in almost any soil, in sun or partial shade. Blooms July to September from spring sown seed; hgt. 2 to 3 ft.

New Giant Imperial

These new upright base branching Larkspurs with long (about 2 feet) straight upright flower spikes are much superior to all others for cut-flowers. (See illustration at left and in color on front cover.) Here is a real improvement and you should enjoy it this year. Offered in colors and mixture.

3873 **Blue Spire**	3877 **Carmine King**
3874 **Lilac Spire**	3879 **Miss California**
3875 **White Spire**	3881 **All Colors, Mixed**

Pkt. 15 cts.; ⅛ oz. 35 cts.; ¼ oz. 50 cts.; oz. $1.50

STOCK-FLOWERED. These tall-growing and branching Larkspurs produce the most brilliant spikes of double flowers; continuously in bloom all summer.

3872 **EMPRESS ROSE.** *New.* Tallest and best of all salmon-pink shades. It is of the double, branching, stock-flowered type. Very promising. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

3860 **LA FRANCE.** A pleasing salmon-pink and, without question, the most striking in color of all the Tall Stock-flowered Larkspurs. It is more resistant to mildew and much more vigorous and tall growing than the class. The large, well-formed double flowers are well placed on long stems and present a beautiful appearance. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

	Pkt.	⅛oz.
3862 **Tall Stock-flowered.** White	$0 10	$0 20
3864 **Tall Stock-flowered.** Shell-pink	10	20
3866 **Tall Stock-flowered.** Bright rose	10	20
3868 **Tall Stock-flowered.** Dark blue	10	20
3870 **TALL STOCK-FLOWERED. All Colors Mixed**	10	20

For Perennial Larkspur, see Delphinium, page 21

LOBELIA ×

Culture G. Sow seed on surface and merely cover. Profuse bloom from July to October. Hgt. 6 in.; partial shade preferred; fine for bordering, hanging baskets, and window boxes; good rock-garden annual.

3900 **Crystal Palace Compacta.** Best dark blue sort for edgings and carpet bedding. Pkt. 10c; ⅛oz. 35c; ¼oz. 60c.

3902 **Gracilis.** Fine for hanging-baskets, vases, and window-boxes. Light blue; a trailing variety. Pkt. 10c; ⅛oz. 20c.

3904 **Mixed Compacta Sorts.** A fine mixture of best varieties. Will give great profusion of bloom. Pkt. 10 cts.; ⅛oz. 20 cts.; ⅛oz. 35 cts.

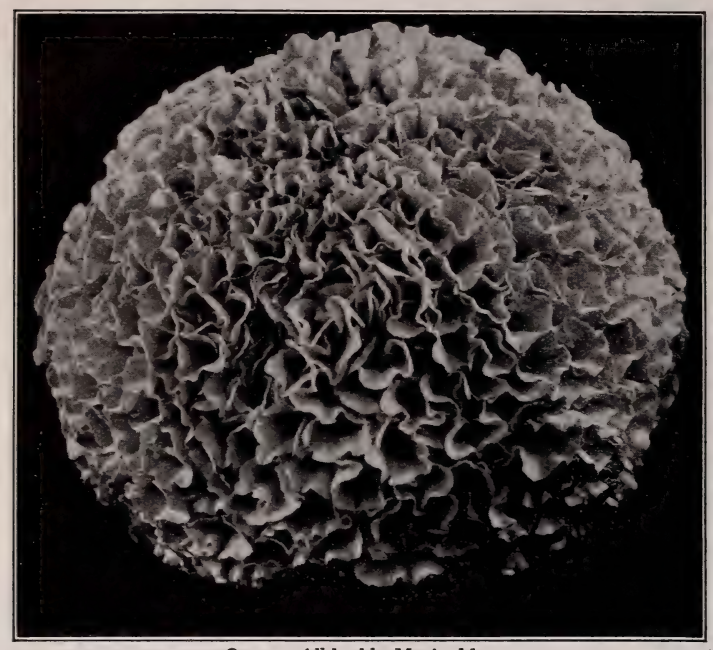
LINUM (Flax) ○

3896 **Perenne.** Most effective bedding and rock-garden plants. Blooms from May to September. Fine foliage, delicate stems, bright blue flowers. Culture J, sow seed ⅛ inch deep; hgt. 18 in. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

LILIUM

3890 **REGALE.** This Lily is absolutely hardy, and is excellent for forcing. It has been predicted that it will become the Easter Lily of the future. The flowers are white, slightly suffused with pink, with a beautiful shade of canary-yellow at the center, and extending part way up the trumpet. It is delightfully perfumed, reminding one of the jasmine, and lacking the heavy oppressive odor of most Lilies. Blooms outdoors early in July, and seedling bulbs will flower the second year. The seeds can be sown inside during spring months or in flats in the greenhouse at any time, giving the same treatment as tomato seed, and lined outside in rows about 4 inches apart as soon as weather permits. These will do well in any soil with good drainage and will give you a blooming size bulb the second year. It will be necessary to lift the bulbs grown from seed the first year, just after the first killing frost in the fall, and plant them back immediately in order to get them 4 to 6 inches deep. Pkt. 15c; ⅛oz. 35c.; ¼oz. 60c.

Delightfully Perfumed Regale Lillies



Orange Alldouble Marigold

3936 **NEW ORANGE, ALLDOUBLE MARIGOLD.** A new development in Marigolds. So called because such a large per cent come double. A beautiful large flower. We are pleased to offer this African strain and are sure you will be enthusiastic about it. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

Marigolds ×

Culture B. Sow seed ⅛ inch deep.

African Marigolds

Large flowering sorts of orange and lemon shades. Hgt. 2 to 3 ft.; prefers sun; blooms July to October from spring sown seed. Fine for beds, borders and cutting.

Guinea Gold.

3935 **A new and distinct type.** Brilliant orange flushed with gold; practically 100% semi-double. Illustrated in color and more fully described on front inside cover page. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.; ¼oz. 85 cts.

3940 **LEMON BALL.** Extra-large, round, double flowers of a clear canary-yellow. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 75 cts.

3942 **ORANGE BALL.** Enormous, double, intense rich orange flowers produced in great profusion from July until cut down by frost. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 75 cts.

3944 **Mammoth Tall, Mixed.** Height, 3 feet. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 60 cts.

3946 **Mammoth Dwarf, Mixed.** Height, 1½ feet. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 60 cts.

French Marigolds

The small, velvety flowering sorts in pretty combinations of yellow, brown, maroon and striped effects. Hgt. 1 to 2½ ft.; prefers sun; blooms July on from spring sown seed. Fine for bedding, edging, cutting and pot plants.

3948 **LEGION OF HONOR (Little Brownie).** Handsome single variety, covered with a multitude of flowers. In color it is a velvety golden yellow blotched with purple. Height, 1 ft. Pkt. 10c; ¼oz. 30c; oz. 60c.

3950 **Tall Double, Mixed.** A splendid assortment of all the best colors in striking combinations. Height 2½ ft. Pkt. 10c; ¼oz. 30c; oz. 60c.

3952 **DWARF DOUBLE, MIXED.** Mixture similar to No. 3946 in colors, but the plants grow much dwarfer. Height, 1 foot. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 60 cts.

French Marigolds Fine for edging flower-beds

Tagetes Signata pumila

3958 **Tagetes, Signata pumila.** A dwarf variety, 6 to 8 inches high, and literally covered with small yellow flowers, having a brown stripe down the center of each petal. Splendid for edging beds. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

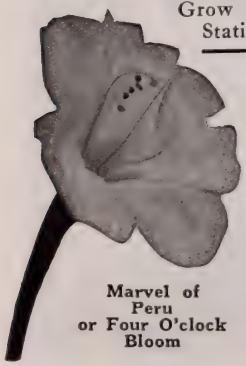
FLOWER GARDENING SUGGESTIONS

Use quality flower seeds. They are always less expensive. "True Blue" flower seeds are true economy with quality.

Grow Gourds for interesting and unique house decorations.

Why not have a bed of Marigolds mixed with Blue Petunias. They make a striking contrast.

Grow these "Everlasting" flowers for winter bouquets; Statice, Globe Amaranth, Helichrysum, Xeranthemum.



Marvel of Peru or Four O'clock Bloom

MARVEL of PERU ×

Four O'Clock or Mirabilis

Culture B. Sow seed to depth four times their size. Hgt. 2 ft.; sun; blooms July to October from spring sown seed. Covered with large, showy, very fragrant blooms.

3970 **Variegated.** These flowers in many colors, contrast finely with the golden-hued foliage. Pkt. 10 cts.; ¼oz. 20 cts.

3972 **Finest Mixed.** Pkt. 10 cts.; oz. 30 cts.; ¼lb. 60 cts.

MIGNONETTE (Reseda) ×

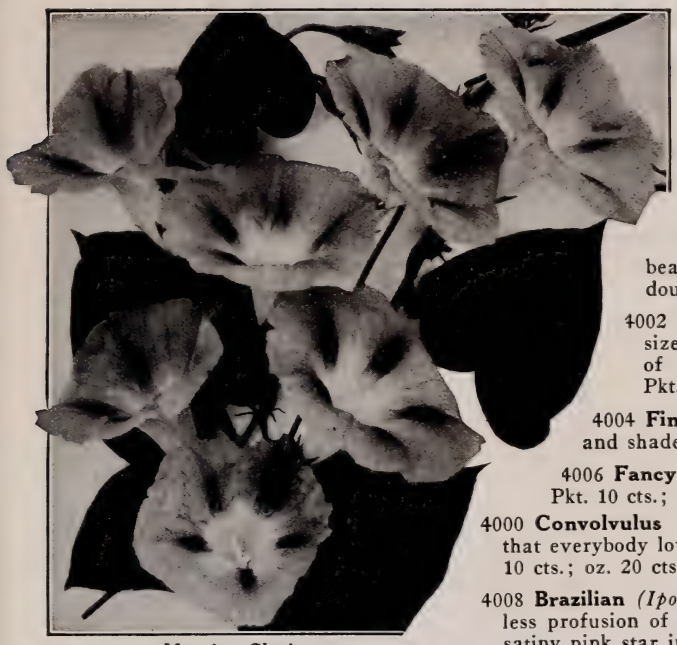
Culture C. Sow seed ⅛ inch deep. Grows 12 to 15 inches high; prefers sun; blooms July to October from spring sown seed. Its large, deliciously fragrant blooms are everyone's admiration. Used for bedding, potting and cutting. For best results pinch out top when about 2 inches high.

3984 **Odorata.** Pkt. 10 cts.; ¼oz. 30 cts.

3986 **Finest Mixed.** Pkt. 10c; ⅛oz. 20c; ¼oz. 30c.

F. Cecil Cosman, Orange County, New York, writes, May 2, 1932: *"Have been planting your seed for 29 years and have always found them satisfactory."*

Wm. Buttinger, Bristol County, Mass., writes: *"Thanks for the check. That is what I call a square deal."*



Morning Glories

Morning-Glory ×

Culture B. Soak seed overnight, sow ½ inch deep. Prefers sun; blooms August to frost from spring sown seed. Fine for trellises and screening.

4001 **HEAVENLY BLUE.** *New.* Illustrated and described on page 3. Pkt. 15 cts.; ¼oz. 30 cts.; oz. 75 cts.

3999 **NEW DOUBLE ROSE MARIE.** A new, early, free-flowering variety. Flowers are a beautiful shade of deep rose of double and semi-double form. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 45 cts.

4002 **GIANT IMPERIAL JAPANESE.** Magnificent in size and bloom—4 to 6 inches across. Great variety of rich and delicate colors, tints and markings. Pkt. 10 cts.; oz. 30 cts.

4004 **Finest Mixed Japanese.** Greatest variety of colors and shades. Pkt. 10 cts.; oz. 30 cts.

4006 **Fancy Fringed Japanese.** Best fringed varieties. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 90 cts.

4000 **Convolvulus major.** These are the old-fashioned favorites that everybody loves. Grows quickly and clings to anything. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 45 cts.

4008 **Brazilian** *(Ipomœa setosa).* Great lobed leaves, with an endless profusion of immense clusters of rose-colored flowers, with a satiny pink star in the center of each. Pkt. 10c; oz. 30c; ¼lb. 90c.

Nicotiana (Sweet-scented Tobacco) ×

Culture B. Sow seed 1/16 inch deep. Hgt. 2 ft.; sun or partial shade; blooms July to frost from spring sown seed. Very fragrant.

5000 **Affinis.** Flowers are pure white. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

5002 **Sanderæ.** Laden from base to summit with hundreds of handsome carmine-red, fragrant blossoms. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

Nigella

Nigella

(Love-in-a-Mist) ×

Culture D. Sow seed ⅛ inch deep. Hgt. 18 in.; sun or partial shade; blooms July to frost from spring sown seed. Curious flowers and seed-pods.

5006 **Mixed.** Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

Dwarf or Bedding Morning-Glories

4010 **Choice Mixed.** A very large assortment of these richly colored favorites. Pkt. 10 cts.; oz. 30 cts.; ¼lb. 85 cts.

MYOSOTIS (Forget-me-not)

Culture F. Sow seed 1/16 inch deep. Hgt. 6 to 10 in. Does best in moist, shady location. Blooms first year from early sown seed and thereafter from April to June. For edging and rock-gardens.

4020 **Palustris.**○# (True Forget-me-not). Beautiful blue. Hgt. 6 inches. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

4022 **Alpestris.**+ Bright blue. Pkt. 10c; 1/16oz. 20c; ⅛oz. 30c.

4026 **Alpestris rosea.**+ Pink. Pkt. 10c; 1/16oz. 20c; ⅛oz. 35c.

4024 **Semperflorens.**○# Splendid dwarf Forget-me-not; beautiful blue flowers. Pkt. 10 cts.; 1/16oz. 20 cts.; ⅛oz. 35 cts.

4032 **Blue Bouquet.**+ Pkt. 25 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

4033 **Indigo Blue Bouquet.**+ Pkt. 25c; 1/16oz. 45c; ⅛oz. 90c.

4034 **Pink Bouquet.**+ Pkt. 25 cts.; 1/16oz. 60 cts.; ⅛oz. $1.00.

4030 **Finest Mixed.** A mixture of all the finest sorts. Pkt. 10 cts.; ⅛oz. 35 cts.

MOONFLOWERS ×=

(Ipomœa noctiflora)

Culture B. Cut off small end of seed, soak and sow 1 inch deep. Climbing; prefers sun; blooms September to frost from spring sown seed. Ideal for trellises, arbors, etc.

4012 **NORTHERN LIGHT.** The earliest blooming of all the Moonflowers. Its lovely pink flowers are produced by the thousands all summer and fall. Pkt. 10 cts.; oz. 35 cts.; ¼lb. 90 cts.

4014 **WHITE SEEDED.** Large in flower, firm in texture, and very fragrant. It bears in graceful profusion its immense, lovely, white flowers, 5 to 6 inches in diameter, with a five-pointed star in the center. Pkt. 10 cts.; oz. 40 cts.; ¼lb. $1.25.

4016 **Cross-Bred** or **Hybrid.** A variety of great value for the North, as it is in bloom a month earlier than the above. Flowers are pure white. Height, 20 to 40 feet. Pkt. 10 cts.; oz. 40 cts.; ¼lb. $1.25.

MOONFLOWER

NEW WILT-RESISTANT ASTERS

If you have become discouraged with Asters on account of wilt try these new strains. See page 13.

Livingston's Tall Nasturtiums ×

A Specialty With Us

Culture C. Sow seed to depth four times their size.

Height 3 to 6 ft.; prefer sun; bloom freely from June until frost from spring sown seed. We devote much care to selecting and improving Nasturtiums and the results of this labor permit us to offer you what we believe to be the very best in both tall and dwarf varieties. You should have some tall ones in your background planting or on a trellis. They are fine for cutting and garden decoration.

Giant-Flowering Nasturtiums

4040 **Giant Golden Yellow.** Mammoth flowers, frequently 3½ inches in diameter.

4042 **Giant Rose.** A most desirable variety, with flowers of a soft rosy pink color; foliage light green.

4044 **Giant Cream and Pink.** Extremely large flowers; the daintiest of all Nasturtiums.

4046 **Giant Lemon and Rose.** Flowers of clear pale lemon color, varying to bright yellow and rose.

4048 **Giant Deep Crimson.** The deepest and richest of all dark reds. The foliage is dark green.

4050 **Giant Striped Hybrids.** Brilliantly striped beauties of various shades and tints.

4052 **Giant Brilliant Scarlet.** A glowing, flaming scarlet, intense and vivid; the largest of its color.

Above separate colors

Pkt. 5 cts.; oz. 20 cts.; ¼lb. 45 cts.

These beautiful Giant-flowering Nasturtiums should be in every garden.

Perfection Collection Giant-Flowering Nasturtiums

In order to assure a large sale and general planting of these Nasturtiums we make this astonishing offer:

7 **Packets as listed at left Postpaid to any address** **25 cts.**

FIVE COLLECTIONS FOR $1.00

Sent to separate addresses if you wish

Tall Mixed

4054 **Mixed Tall Nasturtiums.** There is no flower of which you need seed in larger quantities for liberal planting than Tall or Climbing Nasturtiums. For the low price, this mixture is very choice. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. 90 cts.

Madam Gunther Hybrid

These are of French origin, and for rich and striking colors are not surpassed by any climbing Nasturtiums.

4056 **Mixed Colors.** Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.

Livingston's Top-Notch Mixture Giant-Flowering Nasturtiums

4060—A wonderful diversity of colors and new striking combinations, containing shades of yellow, rose, scarlet, orange, lemon, bronze, maroon, ruby, cream and pink, both in solid colors and mottled and striped in many showy and exquisite ways. Absolutely the finest.

Pkt. 10c; oz. 20c; ¼lb. 50c; lb. $1.35

Specimens from our TOP-NOTCH MIXTURE Giant-flowering Nasturtiums

The Garden Cop

EVERGREEN

NON-POISONOUS INSECTICIDE

Kills both chewing and sucking insects on flowers and vegetables. Absolutely harmless to man, animals or plants. Economical. One ounce makes 1 to 6 gallons of spray.

Price 1 oz. bottle $0.35 Not 6 oz. bottle 1.00 Post- 1 pt. bottle 2.00 paid

NASTURTIUMS GIVE A PROFUSION OF BRILLIANT BLOOMS

Livingston's Dwarf Nasturtiums ×

Have You a Nook or Corner For Them?

Culture C. Sow seed to depth four times their size.

New Golden Gleam Nasturtium
Illustrated in color on inside front cover

Hgt. 6 to 12 in.; prefers sun; blooms in early summer from spring sown seed and continues to bloom until killed by frost. Dwarf Nasturtiums are becoming more popular each year. Their neat, compact habit of growth makes them excellent for nooks and corners where tall climbing varieties cannot be used. They make excellent bedding and bordering plantings, are fine for porch boxes or rock-gardens and their long, stiff stems, holding the flowers well above the foliage, makes them unsurpassed for cutting. No flower garden is complete without some Dwarf Nasturtiums. We offer seven of the most beautiful colors below which can also be had in our "Sunburst Collection" at considerable saving.

4070 **Rose.** A beautiful deep rose color.

4072 **Beauty.** A fine yellow and scarlet.

4074 **Aurora.** Primrose to pale pink, suffused purplish carmine.

4076 **Pearl.** An amber-white.

4078 **Prince Henry.** Pale yellow, spotted carmine.

4080 **Regelianum.** Purplish-crimson.

4082 **Ruby King.** Bluish rose.

Above separate colors: Pkt. 5 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.

Our Sunburst Collection of Dwarf Nasturtiums

We are offering in this collection seven of the most beautiful colors in Dwarf Nasturtiums, as listed above.

Price **Postpaid to any address at this low price..... 25 cts.**

FIVE COLLECTIONS FOR $1

Sent to 5 different addresses if you wish

BODGER'S New Sweet-Scented NASTURTIUM...GOLDEN GLEAM

4100 This new Nasturtium is the most talked of novelty yet introduced. Plant is vigorous, bushy, 18 inches high. The flowers, when fully in bloom, cover the entire plant with a blaze of color. They come semi-double, are borne on stiff long stems and are very fragrant. Start early for best results. For attractive show in your out door living room or for bouquets for indoors, you will find them unexcelled. Give this new one a trial this year. Pkt. 15 cts.; ¼oz. 30 cts.; oz. 85 cts.

Dwarf Queen Nasturtiums

4086 **MIXED.** A gorgeous mixture of all the dwarf or Tom Thumb varieties of the Marble-leaved Queen Nasturtiums, containing a great number of named varieties, as well as numerous other new hybrids not yet sufficiently "fixed" in color to offer separately. Pkt. 5 cts.; oz. 25 cts.; ¼lb. 60 cts.

4084 **Choice Dwarf Mixed.** We handle such large quantities of Dwarf Nasturtiums that we are able to offer this especially choice mixture at a very low price. You should plant this mixture very liberally. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 40 cts.; lb. 90 cts.

Dwarf Lilliput Nasturtiums

4088 **Mixed Dwarf Queen (Lilliput Hybrids).** A dainty type of very dwarf growth, making fine compact little bushes only about 6 inches high. The flowers, although smaller than the regular Nasturtiums, are very brilliant and are produced in a wonderful variety of shades and combinations. Pkt. 10 cts.; oz. 25 cts.; ¼lb. 60 cts.

4090 Livingston's Glory of the Garden Mixture of Dwarf Nasturtiums

This is our best mixture of the dwarf varieties. It is composed exclusively of the most elegant large-flowered sorts, and the brilliantly colored flowers range through every shade and tint known in this favorite annual. This seed will produce a bed or border gorgeous beyond description.

Pkt. 10 cts.; oz. 20 cts.; ¼ lb. 50 cts.; lb. $1.50

Plantabbs are small, odorless, dissolving tablets. Especially good inside for pot-plants and equally good outside on all garden flowers.

FULTON'S **Plantabbs** ODORLESS PLANT FOOD TABLETS

30 tablets 25c; 75 tablets 50c; 200 tablets $1. *Postpaid*

Hammond's Grape and Rose Dust

A sulphur dust preparation that controls fungus diseases; Black Spot on Roses, Mildews and Rusts on flowers and Grapes. Never unsightly; easy to use.

1 lb., sifter top, can 35c
5 lb. can $1 } **Not Postpaid**

FINE FOR GARDEN DECORATION AND AS CUT-FLOWERS

Livingston's Mammoth Pansies ×

From Best American and European Specialists.

Culture F. Sow seed ⅛ inch deep. Hgt. about 6 ins. They thrive best in a rich soil and cool, moist, partially shaded location. Seed sown outside after frost will bloom in fall. For earlier blooms start inside and for extra early bloom start in the fall and carry over in a cold frame. Our strains are from the most noted seed stocks in the world and should give you unbounded satisfaction.

Prices by ounce or larger quantities will be quoted upon application. Leaflet on the culture of Pansies free to customers

Swiss Giant Pansy in Natural Size

5012 Livingston's Giant Trimardeau Mixture.

These are among the largest flowered of all Pansies. This splendid mixture is a blended combination of Giant-flowering Pansies. A most showy class of robust and very compact growth. It contains all colors and will prove a delightful surprise because of their great size. The flowers are carried well above the leaves, on long stems. Pkt. 10 cts.; ⅛oz. 50 cts.; ¼oz. 90 cts.

5010 **LIVINGSTON'S EXTRA - FANCY MIXTURE.** In this magnificent mixture of mammoth-flowering Pansies the blossoms are borne on long stems and are distinguished for their gorgeous and varied colorings and beautiful markings. They are of fine substance, velvety texture, perfect form, and giant size, frequently measuring 3 inches in diameter. An unequaled collection of all the finest types. The best, most handsome and most perfect giant-flowering varieties. Pkt. 25 cts.; 1/16oz. 85 cts.; ⅛oz. $1.40.

5014 **Orchid-flowered. A mixture of exquisite shades.** Orchid-flowered Pansies are not so large as some of our Giant strain but they will appeal by their exquisite coloring and the elegant shape of their flowers. Pkt. 10 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

5040 **BEDDING PANSIES.** These are among the prettiest of the Pansies, and are valuable for making beds where the size of the flowers do not count so much. They are very floriferous, and the range of colors is very good. They will make a rich display. Pkt. 10c; 1/16oz. 20c; ⅛oz. 30c.

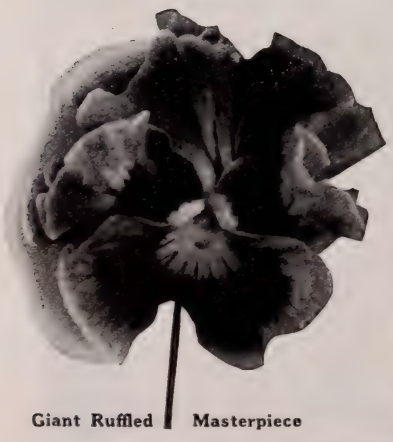
5024 **LIVINGSTON'S SPECIAL FLORIST'S MIXTURE.** Carefully prepared to meet the florist's need. Contains only our finest large-flowering sorts in the light and dainty shades. Mammoth in size, exquisite in coloring, and perfect in form. Pkt. 15 cts.; 1/16oz. 40 cts.

NEW GIANT IMPERIAL LARKSPUR
New upright base branching type with long straight flower spikes. Illustrated in color on front cover and listed on page 25.

5020 Swiss Giants, Mixed.

Swiss Giants are of recent introduction, coming direct from Switzerland. This mammoth **New** strain, often measuring 3½ inches across, is composed of well-rounded, perfectly shaped flowers, thick velvety petals, with a wide range of colorings and markings. It includes the richest reds, coppers, bronzes, and yellows, together with the delicate rose-pinks and those beautiful light blues so much desired in Pansies. One of the outstanding features of this wonderful strain is that the long, stiff stems hold the flowers well above the foliage; and the fact that the blooms retain their size almost throughout the season, makes it most valuable as a cut-flower as well as for bedding.

Pkt. 35 cts.; 1/16oz. $1; ⅛ oz. $1.75



Giant Ruffled Masterpiece

5022 **GIANT RUFFLED MASTERPIECE.** A remarkable type, the border of each petal being conspicuously curled and undulated, which gives the flower a double or globular appearance. The large blooms are beautifully blotched. Pkt. 15 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

Giant Pansies in Separate Colors

We are offering Giant Pansies in separate colors, that you may perfect your color scheme with these dainty flowers.

	Pkt.	1/16oz.		Pkt.	1/16oz.
5026 **Giant Red**	$0 10	$0 30	5032 **Giant Black**	$0 10	$0 30
5028 **Giant White**	10	30	5034 **Giant Yellow**	10	30
5030 Giant Blue	10	30	5036 **Giant Purple**	10	30

COLLECTION: Giant Six Pansy Offer. This collection contains 1 pkt. ea. of the above Giant-flowering Pansies for **50c**

Miss F. B. Collins, Washington County, Ohio, writes, 10-21-32: *"Wish to say Pansy seed from Livingston's planted last of April have bloomed all along since June and now they surpass anything in size and long stems grown here for some time."*

Livingston's Finer Petunias ×

Most Effective for Outside Decoration

Elite Mixture Single Petunias

You may expect these types in this mixture

Culture A. Sow seed on surface and merely cover. Petunias are easy to grow, succeeding most anywhere. They will give constant bloom from June until October. You can sow seed in the open ground or start inside if earlier bloom is desired. Nothing surpasses them for bedding, bordering and cutting. They also make fine house and porch-box plants.

Livingston's Elite Mixture Single Petunias

5050—We have prepared this special mixture for you who love variety and quality. A combination of the large, deep-throated sorts and the fringed and ruffled more dainty sorts. All imaginable colors. If you buy and grow these you'll be greatly pleased. See bouquet illustration above.

Pkt. 25c; 1/64 oz. 90c

Large-Flowering Double Petunias

These should be started indoors and transplanted. Give the small, weak plants great care; they make the finest blooms.

Our New All-Double Giant Fringed Petunia, Mixed

5067 Absolutely the best we have grown in an all-double Petunia. All ruffled and fringed and good range of colors. More fully described and illustrated in color on inside front cover. Pkt. 50 cts.

5066 **Livingston's Superb Double Mixed.** Another good mixture of all the large-flowering double varieties including striped, blotched and fringed sorts. About 60% come double. Pkt. 25 cts.

Large Flowering Single Petunias

5052 **Theodosia.** The all-purpose ruffled Petunia. Color is a rosy pink, with a golden throat which contains minute stripes. Pkt. 25 cts.; 1/32oz. $1.50.

5054 **Livingston's Superb Single Mixed.** Flowers most varied in colors and markings, beautifully ruffled, fringed. Pkt. 15c; 1/64oz. 50c; 1/32oz. 90c.

5056 **Dwarf Giants of California.** A dwarf, sturdy-growing type. Beautifully ruffled and fringed, with open, well-marked throats. Pkt. 20 cts.

5058 **Giants of California.** These are of great beauty, including fringed and deep-throated sorts in endless variety of colors. Pkt. 15c; 1/64oz. 50c.

5060 **Coppery Red.** Very attractive new shade having giant ruffled flowers. Pkt. 25c; 1/64 oz. $1.35.

5062 **Ruffled Giants.** The flowers of this strain are of extraordinary size and great substance. Pkt. 25c.

5070 **Pride of Portland.** A deep rose-pink with throat varying from white to rich yellow. Pkt. 20c.

WE GIVE QUICK SERVICE THAT WILL PLEASE YOU

Bedding Petunias

5064 **ROSY MORN.** A soft carmine-pink with white throat Pkt. 15 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

5065 **BLUEBIRD (Violacea).** Dwarf, compact bushes and small, violet-blue flowers. A fine companion to Rosy Morn. Pkt. 10 cts.; 1/16oz. 30 cts.; 1/8oz. 50 cts.

5068 **ROSE OF HEAVEN.** A compact grower, darker than Rosy Morn. It is a rich bright rose with inconspicuous white throat, a free bloomer. Pkt. 10 cts.; 1/16oz. 30 cts.: 1/8oz. 50 cts.

5072 **Howard's Star.** Five-petaled blooms, having star-shaped markings of bluish-pink or white over maroon ground. Pkt. 10 cts.; 1/16oz. 20 cts.; 1/8oz. 35 cts.; 1/4oz. 50 cts.

5074 **Striped and Blotched.** A most beautiful strain of Petunias for bedding and massing. Our mixture contains an endless variety of colors. Pkt. 10c; 1/16oz. 20c; 1/8oz. 35c.

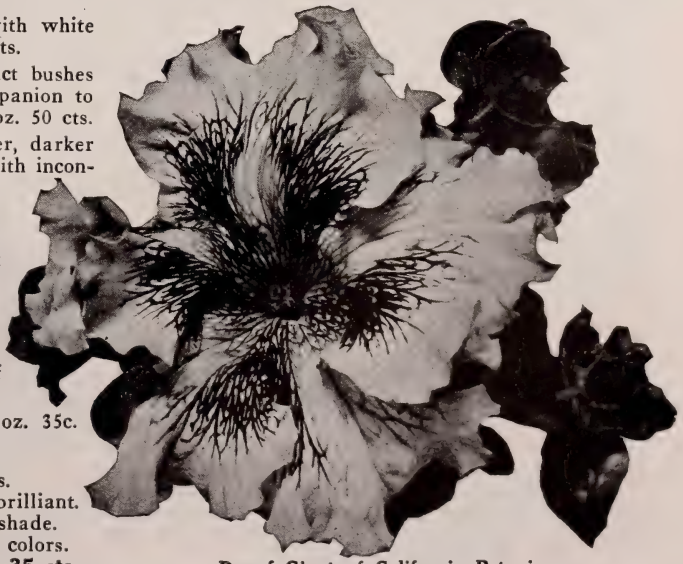
5080 **Finest Mixed.** Pkt. 10c; 1/8oz. 20c; 1/4oz. 35c.

Balcony Petunias

Most excellent for window or porch-boxes.

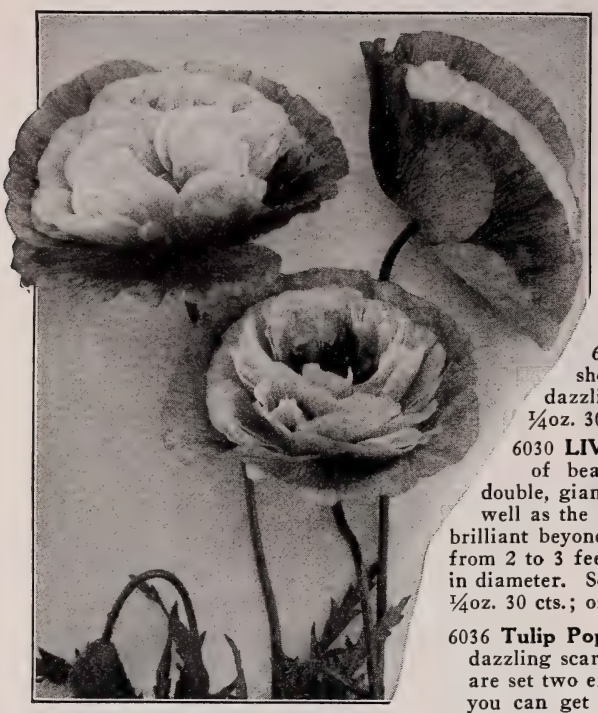
5090 **White.** Pure white.
5092 **Rose.** Bright rose, white throat.
5094 **Red.** Very brilliant.
5096 **Blue.** Rich shade.
5098 **Mixed.** All colors.

Price of above, each, pkt. 15 cts.; 1/16 oz. 35 cts.



Dwarf Giant of California Petunia

LIVINGSTON'S QUALITY PETUNIAS, UNIVERSAL FAVORITES



Giant Double Poppies

Poppies

The Old-fashioned Flower with New Popularity

Annual Poppies

Culture C. Sow seed ⅛ inch deep. Hgt. 18 to 24 in.; sun or partial shade; blooms in July and August from spring sown seed. Can be used in beds and borders and make good cut flowers.

6026 **Peony-flowered, Mixed.** Showy, double, globular flowers, almost equal to peonies. Our mixture contains the finest colors. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

6028 **Carnation-flowered, Mixed.** Large double flowers, showy and beautifully fringed. Mixture is unequaled for dazzling richness and great variety of colors. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

6030 **LIVINGSTON'S GIANT DOUBLE MIXED.** A mixture of beautiful double Poppies, including only the improved double, giant-flowering kinds of the richest and brightest colors, as well as the daintiest and softest tints. When grown in masses it is brilliant beyond description. The plants are sturdy, thrifty growers, from 2 to 3 feet high, producing immense flowers, sometimes 4 inches in diameter. Sow seeds in the early spring in sandy soil. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

6036 **Tulip Poppies.** Large and splendid single flowers of the most dazzling scarlet. The two outer petals resemble a saucer, in which are set two erect petals of the same color. If you like single flowers you can get no better than this one. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 75 cts.

Annual Shirley Poppies

6031 **SWEET BRIAR.** New Shirley double Begonia-flowered novelty. A delightful shade of deep rose-pink. Fully double, resembling the Begonia. Fully described on novelty page 2. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

6034 **American Legion.** In this variety we have one of the most beautiful of all Shirley Poppies. A brilliant orange-scarlet with yellow antlers. Very large, free-flowering sort. Beautiful beyond description. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.

6032 **Single and Double Annuals Mixed.** These are considered by many the most charming Poppies in cultivation. The individual flowers are large and elegant, mostly single blooms, some semi-double and double ones, often measuring 3 to 4 inches across. The petals are fluted and crinkled and in the sun appear like crumpled satin. The exquisite colors range from purest white to the deepest of blood-red, through all the shades of pink, rose, crimson and carmine. Pkt. 10 cts.; ¼oz. 30 cts.; oz. 50 cts.

Iceland and Oriental Poppies

Culture K. Sow seed ⅛ inch deep. Icelands are about 12 in. high and bloom from April to June. Orientals are 2 to 3 ft. and bloom in June and July. Both will thrive in partial shade.

6039 **EL MONTE.**○ New Iceland variety. Deep tangerine orange. Flowers are of large size, borne on long, wiry stems. Easily grown from seed in six months time. Illustrated on novelty page 3. Pkt. 20 cts.; 1/16oz. 35 cts.; ⅛oz. 50 cts.

6041 **COONARA PINK.**○ New Iceland variety. Rose-pink suffused with salmon-pink. Flowers are borne on long, slender stems and are of wonderful delicacy. Pkt. 20 cts.; 1/16oz. 35 cts.; ⅛oz. 50 cts.

6038 **Iceland**○ *(Papaver nudicaule).* These Poppies are perfectly hardy; beautiful satin-like flowers of every shade of yellow, white, and orange-scarlet. Plants grow about 1 foot high, forming tufts, from which the flower stems issue. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6040 **Double Mixed Iceland.**○ Splendid mixture of double-flowering varieties. Pkt. 10c; ⅛oz. 30c; ¼oz. 50c.

6042 **Large Oriental.** Most popular variety in cultivation, plants grow about 3 feet high. A dazzling scarlet with coal-black blotches. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6044 **LIVINGSTON'S ORIENTAL HYBRIDS.** Enormous flowers, sometimes more than 6 inches in diameter. Colors include shades of cherry, salmon, darkest red, vivid crimson, and innumerable others equally fine. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

6046 **Princess Victoria Louise.** Oriental. Beautiful salmon-pink. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

HAVE BETTER SUCCESS WITH FLOWERS

Complete cultural directions are given on pages 9 and 10. Reference is made to these keyed cultures under each flower heading.

Livingston's Oriental Hybrid Poppy

Enormous flowers, up to 6 inches in diameter, in many colors and shades

Phlox

×ANNUAL, culture A. Sow seed ⅛ inch deep. # PERENNIAL, culture J. Very slow to germinate; sow seed ½ inch deep. Hgt. 18 to 24 in.; prefers sun. Gives a constant display from July to September. Nothing surpasses it for beds, edgings, massing and rock-garden decoration. Fine for cutting.

6002 **Livingston's Prize Mixture** A fine mixture of all annual sorts. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6000 **Drummondi, Mixed.**× Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35c.

6004 **Bright Rose.**× Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6006 **Brilliant Scarlet.**× Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

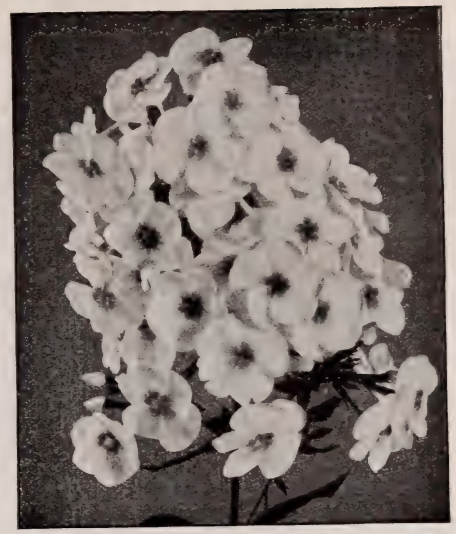
6008 **Crimson.**× Brilliant. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6010 **Pure White.**× Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6012 **Yellow.**× Distinct. Pkt. 10 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6014 **MIXED STAR-SHAPED.**× Long, pointed petals, which give a star-like appearance. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

6018 **HARDY PERENNIAL, MIXED** *(P. decussata).*# Hardy herbaceous perennial and quite distinct from the varieties above. Seed is slow to germinate. Seedlings may not appear for a year. Pkt. 15 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.



Phlox

PYRETHRUM (Feverfew)

Culture J. Sow seed ⅛ inch deep. About 2 ft. high; prefers sun; blooms from May to July and frequently in September. Flowers are of bright shades. A valuable border and bedding plant. Makes splendid cut-flowers.

6070 **Roseum.** Bright rose. Pkt. 20 cts.; ⅛oz. 60 cts.

6072 **Album.** White. Pkt. 20 cts.; ⅛oz. 60 cts.

6074 **Atrosanguineum.** Blood-red. Pkt. 20 cts.

6076 **Single Hybrids, Mixed.** Pkt. 15 cts.; ⅛oz. 40 cts.

6077 **Double Mixed.** Pkt. 25 cts.; 1/16oz. 45 cts.

6078 **DOUBLE AND SINGLE MIXED.** Pkt. 20 cts.; 1/16oz. 40 cts.

RICINUS (Castor-Oil Bean) ×

Culture B. Sow seed to depth four times their size. Grows in sun or partial shade. Good for backgrounds and screening. Planted in or around your garden, it keeps Moles away and attracts and kills Japanese Beetles.

6080 **Zanzibarensis.** Plants attain great dimensions—12 to 14 feet. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.

6082 **Bourboniensis.** A standard variety. Height, 10 to 15 feet. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.

6084 **Cambogensis.** Main stem and leaf-stalks shining ebony-black. Foliage assumes various shades. Height, 5 feet. Pkt. 5 cts.; oz. 20 cts.; ¼lb. 50 cts.

6086 **Gibsoni.** Compact-growing variety. Deep red leaves. Height 5 feet. Pkt. 5c; oz. 20c; ¼lb. 50c.

6088 **Livingston's Mixture.** Unsurpassed for elegant blending. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.

We ship all seed quoted in this Catalog; transportation paid by us anywhere in the United States. Easier for both of us and a saving to you.

PRIMULA (Primrose) ÷

Culture E. Sow seed on surface and firm soil. Ideal house plants, but can be used outside in summer. Hgt. 1 foot. For succession of bloom make several sowings from March to August.

6060 **Obconia grandiflora, Large-flowering Hybrids.** Lovely and profuse blooming Primrose, bearing on long stems large heads of beautiful flowers, white, tinged lilac and rose shades. Pkt. 10c; 1/32oz. 75c.

6062 **Muller Mohnstein.** Mixture of rose and dark red. Large flowers. Pkt. 50 cts.; 1/64 oz. $1.75.

Hardy Primrose ○

Culture F. Sow seed on surface and merely cover. Hgt. 1 ft.; partial shade; blooms April and May; fine for rock-gardens.

6064 **Veris, Mixed.** Large golden yellow flowers. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

6065 **Vulgaris.** *Canary Yellow.* Very fragrant. Pkt. 10 cts.; 1/16oz. 35 cts.; ⅛oz. 60 cts.

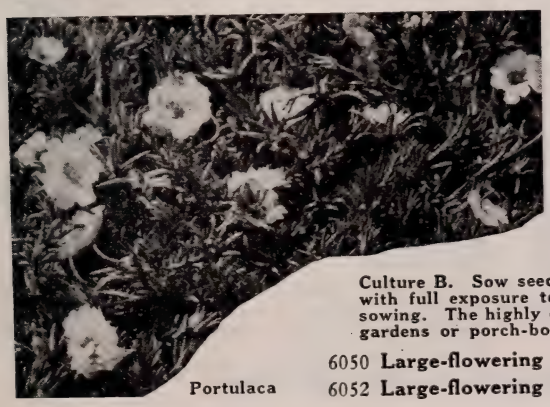
5044 **PENTSTEMON, New Giant Flowered, Mixed.**# (Beard Tongue.) Bushy plant, 2 to 4 foot spikes with trumpet-shaped flowers. Culture J. Sow seed ⅛ in. deep. Pkt. 15 cts.; 1/16oz. 35 cts.

6020 **PLATYCODON, Grandiflora, Mixed.**# (Chinese Bellflower.) Of the Campanula family. Flowers in bud, have appearance of inflated balloons. Culture K; sow seed ⅛ in. deep. Pkt. 10c; 1/16oz. 25c.

5998 **PHYSALIS Franchetti.**# (Chinese Lantern Plant.) Yellow flowers, dark center. Has bright red balloon-like husks in second year. Hgt. 18 in. Culture J. Sow seed ⅛ in. deep. Pkt. 10c; ⅛oz. 20c.

6079 **RANUNCULUS, Asiaticus.**○ (Buttercup.) Hgt. 6 to 12 in.; flowers of variable coloring bloom in May. Valuable for cutting; requires sun. Culture A; sow seed 1/16 in. deep. Pkt. 25 cts.; ⅛oz. 60 cts.

Wilfred D. Lauer, Kenosha County, Wisconsin, writes: *The seeds you have sent to us at different times were entirely satisfactory. You have sent them promptly and that is what we like."*



Portulaca

PORTULACA (Sun Plant or Moss Rose) ×

Culture B. Sow seed 1/16 inch deep. Hgt. about 6 in. Plant in dry, sandy soil with full exposure to sun. Blooms profusely from July to October from spring sowing. The highly colored flowers give a dazzling display in beds, borders, rock-gardens or porch-boxes.

6050 **Large-flowering Single Mixed.** Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

6052 **Large-flowering Double Mixed.** Pkt. 15 cts.; ⅛oz. 40 cts.; ¼oz. 75 cts.

Scabiosa

Sweet Scabiosa, Mourning Bride, Pin-Cushion Flower

Annuals

Culture B. Sow seed ⅛ inch deep. Hgt. 2 to 2½ ft. Spring sown seed gives bloom from June to October. The exquisite flowers on long stems are fine for cutting.

6132 **LIVINGSTON'S IMPROVED LARGE-FLOWERING. Finest Mixed.** A very fine mixture, containing all the finest large-flowering double sorts. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

	Pkt.	⅛oz.
6114 **SHASTA.** A pure glistening white	$0 10	$0 20
6116 **Azure Fairy.** Exquisite sky-blue	10	20
6118 **Fiery Red.** Very striking	10	20
6120 **Snowball.** Double; white flowers	10	20
6122 **Golden Yellow.** Very fine color	10	20
6124 **Flesh.** Deeply flushed	10	20
6126 **Lilac.** One of the best	10	20
6128 **Cherry-Red.** Magnificent	10	20
6130 **Black Prince.** Exceedingly attractive	10	20

COLLECTION: 9 separate colors above would cost 90 cts. separately. **75c**

Perennials

Culture J. Sow seed to depth four times their size.

6136 **CAUCASICA, Hardy.** 3 feet high; large lilac-blue flowers. Pkt. 10 cts.; 1/16oz. 30 cts.; ⅛oz. 50 cts.

6138 **CAUCASICA, ISAAC HOUSE STRAIN.#** Improvement over Caucasica. More vigorous, stronger and longer stems and larger flowers, all ruffled and frilled. Pkt. 20 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

Salpiglossis Bloom

SALPIGLOSSIS (Painted Tongue) ×

Culture A. Sow seed ⅛ inch deep.

6100 **MIXED.** A very popular annual. Noted for its beautiful, almost orchid-like blooms. Height 18 in.; grows in sun or partial shade; blooms from July to September. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

SAXIFRAGA (Adapted to Rockeries) ○

Culture J. Sow seed on surface and merely cover. Hgt. 1 ft.; sun or partial shade; blooms May and June. Admired for its fine foliage.

6156 **SAXIFRAGA, Mixed.** Has masses of handsome, broad, deep green foliage. The pink and white flowers appear early in the season. Pkt. 15 cts.; 1/32oz. 30 cts.; 1/16oz. 50 cts.

6157 **Saxifraga, Mossy Varieties, Mixed.** A mixture of best moss varieties for rock gardening. Pkt. 25c; 1/32oz. 85c.

Salvia is Fine With Green Shrubbery

Large Flowering Annual Scabiosa

6110 **SANVITALIA procumbens, Double Mixed.** × Dwarf annual, 6 in.; of compact growth with showy bright yellow flowers from June to October. Culture C; sow seed ⅛ inch deep. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

6112 **SAPONARIA, Ocymoides Splendens.** ○ Trailing rock plant. Masses of bright rose flowers from July to September. Culture J. Sow seed 1/16 inch deep. Pkt. 10 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

SALVIA (Flowering Sage) ×

Culture A. Sow seed ⅛ in. deep. Hgt. 18 to 36 in.; blooms from August until hard frost and is literally ablaze with brilliant flowers. Used extensively for hedges and edging shrubbery.

6090 **SPLENDENS GRANDIFLORA** (Scarlet Sage). Gorgeous plants; numerous spikes of intensely vivid scarlet flowers 10 to 12 inches in length. The most popular in cultivation. Pkt. 10 cts.; ⅛oz. 40 cts.; ¼oz. 75 cts.

6092 **BONFIRE.** Plants form healthy bushes about 2 feet high by 2 feet across. Spikes grow erect and stand clear above the foliage, completely covering the plant, and are of a most brilliant dazzling scarlet. Pkt. 10 cts.; ⅛oz. 50 cts.

6094 **AMERICA (Globe of Fire).** A free, continuous bloomer. The uniformity in habit of growth makes it valuable for bedding or planting in line. Height, 1½ feet. Pkt. 15 cts.; 1/16oz. 45 cts.; ⅛oz. 85 cts.

6096 **Zurich.** Compact-growing sort, forming handsome, symmetrical bushes, 15 to 18 inches tall, which are completely covered with scarlet flower-spikes. Pkt. 10 cts.; 1/16oz. 40 cts.; ⅛oz. 75 cts.

6098 **PATENS BLUE.** Hardy variety growing 2 feet high. Large, rich blue flowers. Dig roots and winter in cold place. Pkt. 25cts.; 1/16oz. 45 cts.; ⅛oz. 90 cts.

Sweet Williams

(Dianthus Barbatus)

Culture K. Sow seed ⅛ inch deep. Hgt. 12 to 18 in. An easily grown perennial from seed sown outside. Usually does not bloom until second season from May to July. Deliciously fragrant and unsurpassed for cutting.

Showing a bed where we grow our Miracle Mixture.

6284 **Livingston's Miracle Mixture, of Sweet Williams.** Our improved strain with exceptionally large, symmetrical heads, of every conceivable color and shade, from white through the different shades of pink to the deepest blood-red, some flowers appearing almost black. White, pink, red, and striped flowers—all on the same head. Pkt. 15 cts.; ⅛oz. 30 cts.; ¼oz. 50 cts.

6287 **SCARLET BEAUTY.** A very striking strain. Large heads of an intense scarlet color. A charming and distinct sort and one that every lover of Sweet Williams should have this year. Pkt. 15c; ⅛oz. 25c; ¼oz. 40c.

6288 **Pink Beauty.** A beautiful salmon-pink. Pkt. 15 cts.; ⅛oz. 25 cts.; ¼oz. 40 cts.

6290 **Double Mixed.** Very superior, containing all colors and shades. Pkt. 10c; ⅛oz. 25c; ¼oz. 40c.

6292 **Single Mixed.** A very choice assortment of all the best single-flowering varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

6294 **DOUBLE and SINGLE MIXED.** This mixture is made by blending the double and single-flowering varieties. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

SCHIZANTHUS (Butterfly Flower) ×○

6140 **Mixed.** Popularly called "Poor Man's Orchid." Fine fern-like foliage; blooms from July to Sept., producing oddly marked and queerly shaped flowers in shades of blue, purple, pink and white. Hgt. 18 in. Culture B. Sow seed 1/16 inch deep. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 35 cts.

STATICE (Annual)

Culture D. Separate seed, lay on side and cover ⅛ in. Hgt. 18 to 24 in.; sun; blooms July and August. Fine flowers for winter bouquets.

	Pkt.	¼oz.
6180 **True Blue**	$0 10	$0 25
6182 **Rosea Superba**	10	25
6184 **White**	10	25
6185 **Bonduelli Yellow**	10	25
6186 **Mixed**	10	25

SUNFLOWER (Helianthus) ×

Culture C. Sow seed to depth four times their size. Hgt. 4 to 6 ft.; sun; blooms September and October from spring sowing. Very showy for borders and backgrounds.

6190 **Miniature, Beautiful New Hybrids.** Small single flowers in great abundance; colors, creamy white, lemon and orange; indispensable for cutting. Pkt. 10 cts.; ¼oz. 25 cts.

6192 **Globe of Gold.** Globe-shaped, double, yellow flowers. Pkt. 10 cts.; ⅛oz. 15 cts.; ¼oz. 25 cts.

6194 **Livingston's Mixture.** A great variety of single and double sorts. Every shade of yellow is included. Pkt. 10 cts.; ¼oz. 20 cts.

6166 **SMILAX** ÷= Charming, tender, perennial climber for house or greenhouse. Culture G; sow seed ⅛ inch deep. Pkt. 10 cts.; ⅛oz. 20 cts.

6170 **STOKESIA cyanea** (Cornflower Aster). # A valuable hardy perennial bedding plant. Plants large, 18 to 20 inches high, with bachelor's button-like, light lavender-blue flowers, several inches in diameter, from July until late in October. Culture J; sow seed ⅛ inch deep. Pkt. 10 cts.; 1/16 oz. 25 cts.; ⅛oz. 40 cts.; ¼oz. 75 cts.

6146 **SCARLET RUNNER BEAN.** × Ornamental climber. Bright scarlet sprays of bloom, followed by edible beans. Excellent climber for porches and trellises. Culture C; sow seed to depth four times their size. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.

6160 **SILENE SCHAFTA.** ○ A low growing (4 inches) trailing plant with bright rose flowers. Blooms from July to October. Use it for your autumn border or in the rock garden. Culture J; sow seed 1/16 inch deep. Pkt. 15 cts.; 1/16 oz. 30 cts.; ⅛oz. 50 cts.

6150 **SENSITIVE PLANT.** × A pretty and curious annual plant. The leaves and footstalks close and droop at the slightest touch, or during cloudy, damp weather. Culture B; sow seed ⅛ inch deep. Pkt. 10 cts.; ⅛oz. 20 cts.

True Blue Seeds are seeds of the highest quality.

Stokesia (Cornflower Aster)

A NEW RESOLUTION—"I WON'T SOW SEED TOO DEEP THIS YEAR"

Livingston's Choice Spencer

Since the introduction of the Spencer Sweet Pea, in 1904, there has been a most remarkable improvement in this flower. Renewed interest has naturally come since we have learned the secret of growing them with long stems usually carrying four or five gigantic blooms, beautifully waved and frilled. Anyone, anywhere can grow them by following a few simple rules. The ordinary garden culture is given at the right.

Sweet Pea seed should be sown as early as possible in the spring. If convenient, prepare the soil in the fall, mixing in Bone-Meal or 4-12-4 Plant Food. In ordinary culture sow in furrow 3 to 4 in. deep, covering seed 1 in. When started thin plants to 4 in. apart. When cultivating, draw soil to row, filling furrow. When plants are 12 to 14 inches high nip out center to encourage branching. Give plenty of water and do not let seed pods form.

A leaflet "How to Grow Sweet Peas" will be furnished with your order upon request.

6200 **MARY PICKFORD** is one of the choicest Spencer varieties. It is a sturdy grower, producing an abundance of four-flowered sprays on long, stout stems. A beautiful light and dainty cream-pink, with just the faintest suffusion of salmon, making the color combination difficult to equal. The flowers are perfectly formed, with both standards and wings decidedly waved, and the keel blends nicely with the coloring of the entire flower. Pkt. 10c; oz. 30c.

6202 **CAMPFIRE.** *New.* The brightest scarlet sunproof Sweet Pea ever offered. The flowers will stand the hottest sunshine, in fact, the brighter the sun the better the color. Are of fine size and borne in profusion. Pkt. 10 cts.; oz. 30 cts.

6204 **KING EDWARD.** Undoubtedly this is the largest and best scarlet Sweet Pea to date. The wings are carmine-scarlet, with the reverse side rosy carmine. Pkt. 10 cts.; oz. 30 cts.

6206 **ASTA OHN.** The very finest lavender grown. Comes remarkably true to type, producing the elegant, bold wavy flowers. Pkt. 10 cts.; oz. 30 cts.

6208 **WHITE.** This is, without doubt, the largest and most magnificent white Sweet Pea ever introduced. The vines are almost completely covered with mammoth flowers. It is without a rival among white Sweet Peas. Pkt. 10 cts.; oz. 30 cts.

6210 **HERCULES.** A giant Countess Spencer. The large, well-formed flowers are magnificent and the color beautiful, being a bright clear pink on white ground. One of the best. Pkt. 10 cts.; oz. 30 cts.

6212 **GEORGE SHAWYER.** This superb variety is a grand, gigantic, orchid-flowering Spencer. The flowers are well waved, of fine form, with standard orange, shaded salmon, and wings of a pure salmony rose, which makes it most beautiful. Pkt. 10c; oz. 30c.

6214 **HAWLMARK PINK.** An exceptionally free-flowering, vigorous grower of excellent habit. Undoubtedly one of the finest varieties now in cultivation. The color is a rich bright rose-pink, deeply flushed and shaded salmon. Pkt. 10 cts.; oz. 30 cts.

6216 **ROYAL SCOTT.** A true orange-cerise-scarlet. A very strong grower, producing freely four-flowered stems. Pkt. 10 cts.; oz. 30 cts.

Specimens of Spencer Type Sweet Peas
Large beautiful flowers, delicate colors, tints and shadings.

6218 **WARRIOR.** Flowers are very large and of fine form. The color is a rich deep maroon. Pkt. 10 cts.; oz. 30 cts.

6220 **MRS. TOM JONES.** A real azure-blue, beautifully waved; exceedingly attractive. Pkt. 10 cts.; oz. 30 cts.

6222 **ROYAL PURPLE.** The best purple Spencer Sweet Pea. The color is near "royal" purple and deepens and improves as the flowers age, which is a good point in a purple variety. Pkt. 10c; oz. 30c.

6224 **MARGARET ATLEE.** A rosy salmon-pink on a creamy buff ground—a rich soft color, and extremely attractive both as individual flowers and in the bunch. Pkt. 10 cts.; oz. 30 cts.

6226 **KING WHITE.** It is remarkable for the **"glistening immaculate purity of the whiteness"** and the perfect finish of the flower. While of truly gigantic proportions, the flowers are most exquisitely finished in every detail. The grand flowers are borne almost invariably in "fours." Pkt. 10 cts.; oz. 30 cts.

6228 **ILLUMINATOR.** It might be described as a rich, glowing cerise-salmon, with an indication of bright orange suffusion. Pkt. 10 cts.; oz. 30 cts.

6232 **VALENTINE.** The large, well-formed flowers are of an attractive deep blush-pink color. Beautifully waved; well placed on stout stems. Pkt. 10c; oz. 30c.

6234 **PINKIE.** A large and very vigorous sort. A rich rose pink. Considered the finest in its class. Pkt. 10 cts.; oz. 30 cts.

Mrs. Mac Bovee, Dawson County, Nebraska, writes: *"My Sweet Peas last year were wonderful, such large blooms and so many on a stem. Every one commented on them."*

Mr. R. V. Nichols, Noble County, Oklahoma, writes: *"I sure think True Blue Seed is the best in the U. S. A."*

SPENCERS GIVE GORGEOUS BLOOMS OF MANY COLORS

Sweet Peas

Livingston's Special Spencer Mixture

This superb mixture is our special pride. During the several years we have sold it, it has been our constant aim to improve and perfect it. The different sorts contained in this mixture are grown separately, so that we have an opportunity to choose only the largest and most beautiful varieties. These we mix ourselves in proper proportions for the most brilliant effect. It embraces the finest Spencer varieties, as well as the latest novelties, and will produce a great abundance of giant flowers of beautiful colors. Some are edged, mottled, blended, flaked and striped. Without exception, this is the very finest mixture it is possible to make. We recommend the buying of these seeds by weight and planting liberally for best results.

6244 **Special Mixture.** Pkt. 10 cts.; oz. 35 cts.; ¼lb. 90 cts.

Spencer Mixed

Many of the best named sorts, also some rare new hybrids in lavender, blue, striped, mottled, purple, maroon, and many other shades, are included in this good mixture. All flowers are of large size, typically frilled and waved, and very lovely.

6240 **Mixed.** Pkt. 10 cts.; oz. 30 cts.; ¼lb. 75 cts.

Livingston's Special Collection of Spencer Sweet Peas

6200 **Mary Pickford.** Dainty cream pink.
6202 **Campfire.** Brightest scarlet.
6206 **Asta Ohn.** Finest lavender.
6212 **George Shawyer.** Orange, shaded salmon.
6220 **Mrs. Tom Jones.** A real azure-blue.
6222 **Royal Purple.** The best purple Spencer.
6226 **King White.** Pure white.

Seven Liberal Packets for 35 cts., Postpaid

The above varieties are fully described on page 36
If purchased separately this collection would cost 70c

Livingston's Gilt-Edge Mixture of Grandiflora Varieties

This is a very superior mixture, made up of over 50 of the finest named varieties of this older type. All are bright colors.

6248 **Gilt-Edge Mixture.** Pkt. 5c; oz. 15c; ¼lb. 45c.

HARDY SWEET PEAS

(Lathyrus latifolius)

Showy, free-flowering perennial. Blooms continuously from early spring until midsummer. Although lacking fragrance, they are very valuable because they will last almost indefinitely. A very vigorous grower, often growing 8 to 10 feet, and bearing large clusters of beautiful flowers.

6274 **White.** Pearly white. 6278 **Red.** Reddish purple.
6276 **Pink.** Rich rose-pink.

Above separate colors, pkt. 15 cts.; ⅛ oz. 30 cts.

6280 **Mixed.** All colors mixed. Pkt. 15c; ¼oz. 40c.

Use **Nod-O-Gen** to inoculate your Sweet Peas. See page 40. No. 9 is the right kind. Small bottle 30 cts., postpaid.

Extra Early Flowering Sweet Pea

Extra-Early Flowering Spencers

It has been the opinion of some that this class of Spencers does well only under greenhouse culture, but this is a mistaken idea. The Extra-Early Flowering type does equally well outside, the only difference being that the blossoms are just a very little smaller. By planting the Standard Spencer and Extra-Early Flowering in our trial-grounds at the same time, we found that the latter was in full bloom fully two weeks ahead of the Standard Spencers. In selecting to this early type, we have not lost any of the Spencer characteristics. Three, and quite often four, large blooms are borne to the stem, the same as with the Standard or Late Spencer. These Extra-Early Sweet Peas are a real addition to the garden of those who want flowers early.

	Pkt.	Oz.
6250 **Glitters.** Cerise-scarlet	$0 15	$0 60
6252 **Harmony.** Clear lavender	15	60
6254 **Torch.** Salmon-orange	15	60
6256 **Zvolanek's Pink.** Rose-pink	15	60
6257 **Lady Gay.** Shrimp-pink	15	65
6261 **Valencia.** Orange	15	65
6263 **Blue Bonnet.** Deep blue	15	65
6266 **White Harmony.** Black-seeded	15	65
6268 **Early Aviator.** Glowing crimson	15	60
6270 **Mixed**	15	45

THE JECTOR

Rapid, easy and safe method of applying PLANT FOODS to lawns, gardens, etc. Applies correct amount to given area and waters in at same time. Saves time and material. Fine for oiling dusty streets, driveways, etc.

PRICE $1.10 POSTPAID

YOU SHOULD HAVE AND ENJOY MORE SWEET PEAS THIS YEAR

Stocks

6306 **TORENIA Fournieri.**×○ Culture G; sow seed on surface and merely cover. Hgt. 1 ft.; bushy; Snapdragon-like blue flowers. Pkt. 10 cts.; 1/16 oz. 30 cts.

6320 **VALERIANA, Mixed.** (Hardy Garden Heliotrope).# Culture J; sow seed 1/8 in. deep. Hgt. 2 ft.; blooms June to August; fragrant. Pkt. 10 cts.; 1/8 oz. 25 cts.

VINCA (Periwinkle.)× Culture G; sow seed 1/8 in. deep. Hgt. 18 in.; bushy; glossy foliage; beautiful circular flowers.

6370 **Rosea alba.** 6374 **Rosea.**
6372 **Alba.** Pure white. 6376 **Mixed.**

Any one above, pkt. 10 cts.; 1/8 oz. 30 cts.

6386 **XERANTHEMUM, Mixed.**× (Everlasting Flowers). Culture B; sow seed 1/8 in. deep. Hgt. 2 ft.; blooms July to September. Pkt. 10 cts.; 1/8 oz. 25 cts.

Free Flowering Verbena

Fine for all summer bloom

Stocks (Gilliflower) ×

Culture A. Sow seeds 1/16 inch deep. Hgt. 18 to 30 in.; sun; blooms August to October from spring sown seed. Fine for bedding, cutting and pot culture. "Cut and come again" varieties are offered.

6174 **Finest Mixed.** Large-flowering double flowers embracing many colors and shades. Pkt. 10 cts.; 1/8 oz. 25 cts.

6176 **Giant Perfection, Mixed.** Our best mixture, containing the cream of the list in finest colors. Long spikes of double flowers. Pkt. 10cts.; 1/8 oz. 35 cts.

6300 **THUNBERGIA, Mixed.**× Culture B, sow seed to depth four times their size. Rapid-growing, climbing or trailing, plant for hanging baskets or trellises. Requires sun; 5 ft. Pkt. 10cts.; 1/8 oz. 20 cts. 1/4 oz. 35 cts.

6310 **TUNICA, Saxifraga.**○ Culture J; sow seed on surface and merely cover. Hgt. 6 in.; light pink flowers from June to September; sun. Pkt. 10cts.; 1/8 oz. 35 cts.

6308 **TRITOMA HYBRIDS, Early Flowering Mixed.** (Red Hot Poker). #Culture H; sow seed 1/8 in. deep. Hgt. 3 to 4 ft. Fine border plant. Pkt. 15c.; 1/16 oz. 30c.

VERONICA (Speedwell) ○

Culture J. Sow seed 1/16 inch deep. Hgt. varies from 1 to 36 inches; sun or partial shade. Good for rock-garden work.

6331 **Prostrata.** Trailer. Blue and white flowers. Blooms June and July. Pkt. 25c; 1/16 oz. 60c; 1/8 oz. $1.00.

6332 **Repens.** 1 inch carpeting plant. Blue flowers. Blooms May and June. Pkt. 25c; 1/16 oz. 60c.; 1/8 oz. $1.00.

6330 **Veronica, Tall Mixed.** Best varieties. 2 to 3 ft. Pkt. 10c; 1/8 oz. 30c.

6380 **VIOLET, Sweet-scented.**# Culture F. Sow seed 1/8 in. deep. Blooms April to June; enjoys cool, moist situation. Violet-blue. Pkt. 10 cts.; 1/16 oz. 35c.

6384 **VIOLA Cornuta, Mixed.** (Tufted Pansy).#× Same culture as Violet. Smaller than Pansy but more profuse. Pkt. 10c; 1/16 oz. 30c.

Veronica

Livingston's Mammoth Verbenas ×○

Culture B. Sow seed 1/3 inch deep. Hgt. 6 to 12 in.; will grow in any good garden soil in sun or partial shade. It is spreading, forming a carpet of green with large flower heads of many shades from July to October from spring sown seed. Cut the flowers as they begin to fade for more abundant bloom.

6340 **Mammoth Defiance.** Bright, rich scarlet flowers.

6342 **Mammoth Blue Varieties.** Showy; very distinctive.

6344 **Mammoth Striped Varieties.** Beautiful collection.

6346 **Mammoth Pink Shades.** Brilliant shades of pink.

6348 **Mammoth Pure White.** Large trusses of purest white.

6350 **Mammoth Purple.** Deep royal purple.

Any one above, pkt. 10 cts.; 1/8 oz. 25 cts.

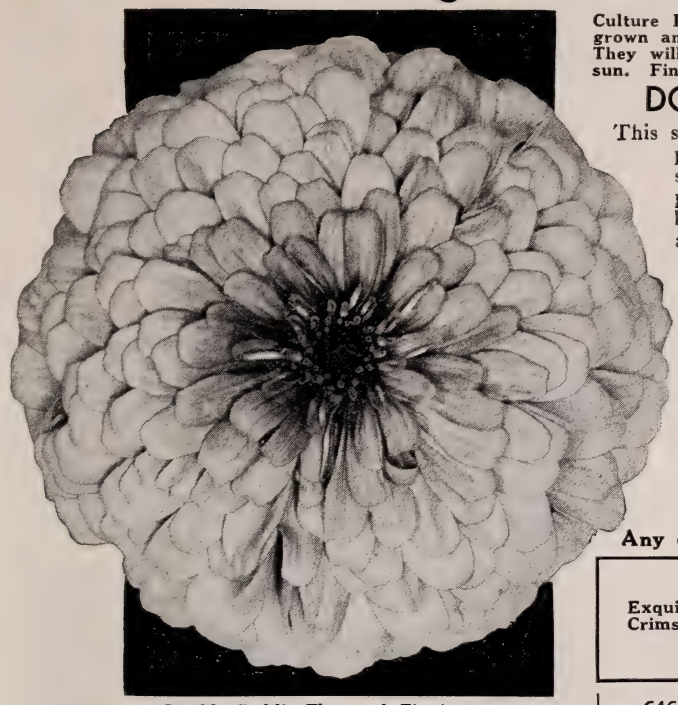
COLLECTION: One packet each above 6 colors would cost 60c separately. **50c**

6360 **LIVINGSGTON'S MAMMOTH MIXED VERBENAS.** Enormous flowers of rich and superb colors. Contains every desirable color and shade. Pkt. 10cts.; 1/8 oz. 25 cts.; 1/4 oz. 40 cts.; oz. $1.25.

6364 **Hybrida Grandiflora Luminosa.** New strain of mammoth size; compact grower with immense trusses, individual florets measuring an inch and over. Color is a flaming pink, shading to salmon. Pkt. 15 cts.; 1/8 oz. 30 cts.; 1/4 oz. 50 cts.

Use Livingston's "True Blue" Flower Seeds and Succeed

Livingston's Zinnias ×



Double Dahlia-Flowered Zinnia

Culture B. Sow seed ⅛ inch deep. Zinnias are easily grown and give a world of bloom from July to October. They will thrive in any ordinary garden soil, but prefer sun. Fine for bedding, borders and cut flowers.

DOUBLE DAHLIA-FLOWERED

This splendid new Zinnia has greatly increased the popularity of this flower. The plants are of strong, vigorous habit, from 2½ to 3 feet high, producing mammoth flowers 4 to 6 inches across by 2½ to 3 inches deep, very similar in appearance and form to the double Decorative Dahlia.

6432 **Old Gold.** Deep orange color.
6434 **Golden Dawn.** Golden yellow.
6436 **Luminosa.** Bright rose.
6438 **El Dorado.** Rose on salmon.
6440 **Oriole.** Orange and golden bicolor.
6442 **Exquisite.** Tyrian-rose.
6446 **Polar Bear.** Pure white.
6448 **Crimson Monarch.** Crimson.
6450 **Scarlet Flame.** Bright scarlet.
6454 **Dream.** Deep lavender.
6456 **Purple Prince.** Rhodanthe-purple.

Any one of the above, each, pkt. 20c; ⅛ oz. 35c

Collection, Dahlia-Flowered Zinnias
Exquisite - Polar Bear - Purple Prince Crimson Monarch - Oriole - Scarlet Flame Dream.
Would cost $1.40 separately. **$1.00**

6464 Double Dahlia-Flowered, Mixed

A splendid mixture of the Dahlia-flowered type. Large flowers with a good color range. Will make a nice show in your garden. Pkt. 10 cts.; ⅛oz. 25 cts; ¼oz. 40 cts.

6460 Livingston's Special Mixture, Dahlia-Flowered Zinnia

Our special mixture of this new type of Zinnia is made up from separate colors. The brilliancy of color and the giant size of the flowers will appeal to those wishing the best.
Pkt. 15 cts.; ⅛ oz. 30 cts.; ¼ oz. 50 cts.; oz. $1.50.

Mammoth-Flowering Zinnias

6400 **Crimson.**
6402 **Dark Purple.**
6404 **Flesh-Pink.**
6406 **Pure White.**
6408 **Golden Yellow.**
6410 **Scarlet.**

Any one of above, each, pkt. 5 cts.; ¼ oz. 30 cts.

COLLECTION: One pkt. each above would cost 30c sep. **25c**

6420 **LIVINGSTON'S MAMMOTH - FLOWERING PRIZE MIXTURE.** Our mixture of Mammoth-flowering Zinnias contains all the colors and shades known in this popular flower. Pkt. 5 cts.; ¼oz. 20 cts.; oz. 50 cts.

New Crown O' Gold Zinnia

6488 **Mixed.** Two-tone color harmony in each flower; overlaid with golden yellow at base and carries out individual flower color at the tip. Many colors and shades. More fully described on novelty page 2. Pkt. 15 cts.; ⅛oz. 35 cts.; ¼oz. 60 cts.

Curled or Crested Zinnias

6470—A fine strain with large, double flowers of perfect form; petals twisted, curled and crested into fantastic and graceful forms. Pkt. 10 cts.; ¼oz. 40 cts.; oz. 90 cts.

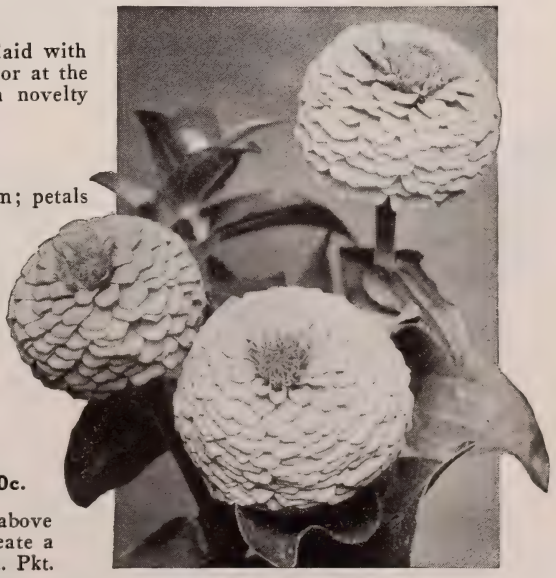
Double Pompon or Lilliput Zinnias

So called on account of its dwarf nature. The plant is 15 to 18 inches high. The flowers are very beautiful little things about 1½ inches in diameter and very double.

6472 **Crimson Gem.**
6473 **Salmon Rose.**
6474 **Golden Gem.**
6476 **Scarlet Gem.**
6478 **Flesh.**

Any one of above, each pkt. 10c; ⅛ oz. 25c; ¼ oz. 40c.

6480 **All Colors Mixed.** A fine mixture, containing those above and many others. It you desire many brilliant colors to create a charming effect along walks or against shrubbery, use them. Pkt. 10 cts.; ⅛oz. 20 cts.; ¼oz. 30 cts.



Pompon Zinnias

Livingston's "True Blue" Vegetable Seed

Delivered Free Anywhere in the United States Proper

One-half pound of any variety may be purchased at the pound rate.
For quantities larger than quoted herein please write for special price.

THE HOME GARDEN—YOU SHOULD HAVE ONE THIS YEAR

The Fireside Planning. Besides being a happy diversion from other responsibilities of home life, the Home Vegetable Garden is a source of saving and supplies healthful food for the whole family. You should have one this year.

Make a Plan on Paper. After knowing the size of your plot, decide what crops to grow; which way the rows shall run and the distance between each. Using this catalog the above should be easy. You will find complete cultural directions under each variety together with the amount to use for a given distance, distance between rows and distance apart in the row. It is really immaterial which way your rows run if your plot is level. If it is sloping they should run across the slope. It is best to place tall growing sorts at one end, preferably the North so that they will not shade other smaller sorts.

To realize the utmost you should follow the Succession Plan. That is, plant early maturing crops together, later, clear off this plot and plant others. Successive sowings of many sorts, about two weeks apart, will give fresh vegetables over a much longer period.

The Soil and Its Preparation. A sandy loam is ideal for your vegetable garden, however other types can be made quite suitable. If it is heavy add organic and fibrous material, wood or coal ashes. If it is not reasonably rich add manure or 4-12-4 commercial fertilizer at the rate of 4 pounds to every 100 sq. ft. Most vegetables grow best in a slightly acid soil and lime is seldom necessary and if used should be done so sparingly.

As soon as practicable in the spring, dig and break up the soil to a depth of at least 9 inches. Before planting, fine the top soil considerably.

Planting. Actual planting of hardy varieties can usually start 2 weeks in advance of the last killing frost, being followed with the more tender sorts and finally the tender ones after all danger of frost is past. The depth to plant is very important. You will find this information given in each cultural direction in this book. From now on the proper cultivation and retention of moisture will determine how successful your garden will be.

Starting Plants Inside. Starting vegetable plants inside requires the same procedure as starting flowers inside, fully described on page 9. Our leaflets "Growing Seedlings" and "Hotbeds and Cold Frames" give full details on this also.

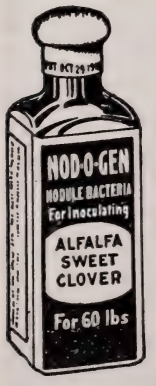
Free Leaflets With Orders on Request

These leaflets will help you to better succeed with growing vegetables. Just add those you want to your order and they will be gladly sent.

The Vegetable Garden
Vegetable Planting Table
Growing Seedlings
Hotbeds and Cold Frames
Growing Asparagus
Growing Cabbage and Cauliflower
Celery Culture
Growing Mushrooms
Growing Melons
Growing Onions
Peanut Culture
Pruning Calendar
Tomato Booklet

NODULE INOCULATOR

NOD-O-GEN (Jelly) **DRY HUMUS (Dust Form)**



It always pays to inoculate all legumes with their proper bacteria. The easiest and cheapest way of improving the sale and increasing crops.

Each bottle of NOD-O-GEN or DRY HUMUS will inoculate the kinds of seed listed. Be sure to get the right kind for your seed, and specify which kind you want. Where neither kind is specified, we forward Dry Humus.

VARIETIES	Price, Postpaid
½-bus. size for Alfalfa and Sweet Clover	$0.30
1-bus. size for above	.50
2½-bus. size for above	1.00
½-bus. size for Medium (Red), Mammoth, Alsike, White Dutch, and Crimson Clovers	.30
1-bus. size for above	.50
2½-bus. size for above	1.00
1-bus. size for Soy Beans	.30
2-bus. size 50c 5-bus. size	1.00
1-bus. size for Cowpeas	.30
2-bus. size 50c 5-bus. size	1.00
1-bus. size for all Vetches (Spring, Winter, etc.), Field and Garden Peas, Sweet Peas, and Flat Winter Peas	.30
2-bus. size 50c 5-bus. size	1.00
1-bus. size for Field Beans and Garden Beans	.30
2-bus. size 50c 5-bus. size	1.00

Ask for price on 10 and 25-bus. sizes for Soy Beans, Cowpeas, Vetches and Field and Garden Beans.

Garden size, Combination for Peas and Sweet Peas, Garden Beans and Limas $0.15

Helpful Hints That Will Help You

MAKE YOUR GARDEN PAY!

The depth you plant seed is most important. This book tells you about this under each vegetable heading. If you'll follow these instructions you'll make your garden pay.

Don't make vegetables fight to live. Plant or thin them to the proper distance apart. This book tells you this, too, and it will make your garden pay.

Use the Successive Plan to obtain the most from your garden. Harvest a crop, then plant another.

Watch for bugs and insects. Keep spraying at regular intervals. Prevention is better than cure.

A common cause of garden failure is lack of or improper soil preparation. Spade or plow deeply and pulverize top soil well.

Why not start an Herb garden? Any small corner will give a fine supply for seasoning. Dill, Sage, Sweet Marjoram, Summer Savory, mature in one year. Some others require two years.

If you like "greens" you should plan for an all summer supply. Swiss Chard, Spinach, Mustard, Kale, Turnip, Endive, Dandelion, Collards, Cress, Lettuce, are all fine and healthful. (See "Greens" Coll., p. 52.)

And here's Garden Wisdom. No money is saved by buying cheap seed. Invariably, the cheaper the seed the lower the germination, therefore this kind of seed costs more in the end.

If you'll pardon us, we wish to add another helpful hint. Livingston's "True Blue" seeds will make your garden pay. They represent high quality at a fair price. Select your order from this book and use it as a garden reference guide. This will positively help you to make your garden pay.

Spargel Asparagus *Esparragos*

Culture—A most delicious and health-giving plant and is best when fresh cut and cooked at once. It comes about as early as Rhubarb, does best in a good, rich, sandy soil, but is so hardy it will grow almost anywhere and come year after year. Sow seed early in spring about 2 inches deep in rows 18 inches apart. When one to two years old, transplant to permanent bed in rows 24 inches apart, placing them 8 inches deep and 18 inches apart in the row. Fertilize heavily in the fall and cultivate well in the spring. More detailed cultural leaflet sent free on request.

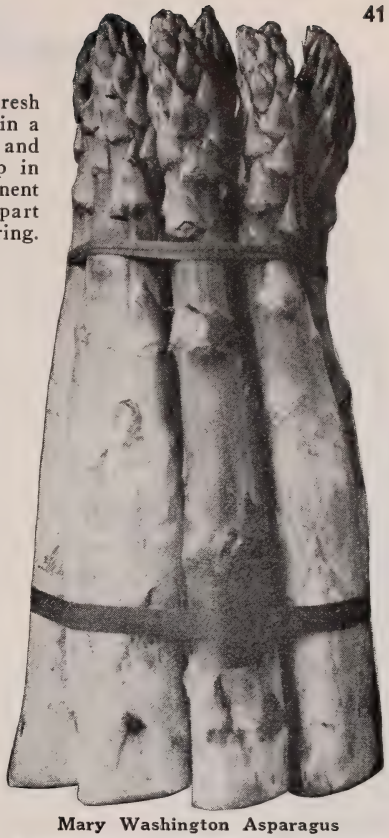
One ounce of seed will sow 60 feet of drill. About 400 plants to the ounce

Washington Rust-Proof. Rust-resistant. Our stock of this variety was grown from originator's stock. It is a fast-growing, exceedingly tender sort of excellent flavor and of a beautiful dark green color, tinged with purple. Very hardy, producing a crop in soil where the old-type varieties were ruined with the fatal rust disease. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

PALMETTO. Popular where the ground is not infected with the rust disease. While it does not produce as large stalks as the Washington strains, there are more of them. It is an early, dark green variety, having pointed tips. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Mary Washington. Rust-resistant sort. It is very early, producing large shoots even the second year from seeds. Shoots are an inch in diameter, with a tendency to be oval in cross-section. The high-branching habit makes it possible to cut shoots, with good tight tip buds, as much as 2 feet long. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

Emilie Hansmann, Suffolk County, New York, writes: *"As last year was my first year to make a garden your 'True Blue' seed helped to make it a success. You are right to say that everybody is 'talking about' the Oxheart tomato. My neighbors and friends from the city thought they were wonderful. I had some very large ones. Also your Dahlia Zinnias as people would stop their cars to look at them."*



Mary Washington Asparagus

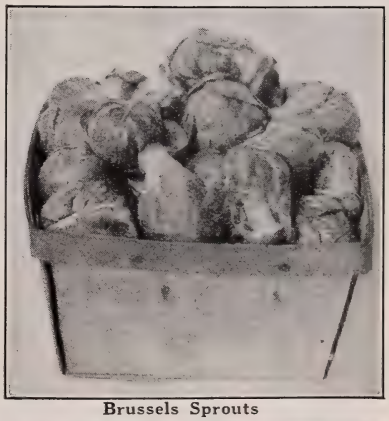
Rosenkohl Brussels Sprouts *Col de Bruselas*

Culture—A species of the Cabbage family which produces miniature heads from the sides of the stalk. These heads, cooked like Cauliflower, are a great delicacy. Start seed the same as Cabbage and transplant outside in rows 24 to 30 inches apart, placing plants about 18 inches apart in the row. Cultivate same as Cabbage. Can also sow seed in drills, ½ inch deep, outside in May and transplant.

One ounce of seed will sow 200 feet of drill. About 200 plants to the packet.

Pride of Denmark. A fine variety, growing about 3 feet tall. 65 days from trans. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.75.

Long Island Improved Dwarf. 65 days from trans. Pkt. 10c; oz. 25c; ¼lb. 70c; lb. $2.25.



Brussels Sprouts

Spargelkohl Broccoli *Broculi*

Culture.—Belongs to the same family as the cauliflower, but of a little coarser texture. More hardy and therefore better adapted to a wider range of conditions. The new Green Sprouting types are quite different in manner of growth, as shown in illustraton. Sow the seed ½ inch deep in the same manner as for late cabbage, in May, and transplant in June or July, in very rich soil about 2½ by 1½ feet apart.

One ounce of seed will sow 100 feet of row. About 2500 plants to an ounce.

EARLY LARGE WHITE. Similar to cauliflower, but is more hardy. Heads medium size, close and compact. One of the most certain to head. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15.

Italian Green Sprouting. A new and distinct variety of the sprouting type. It forms a large head consisting of a cluster of bluish green flower-heads. When this central head is removed the plant develops numerous lateral sprouts, each of which produces a small head. These are cut, leaving about 6 inches of the stem, and are tied in bunches for market. Both stems and heads are cooked and served like cauliflower. 43 days from trans. Pkt. 20 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.75.

Italian Green Sprouting Broccoli

Livingston's Garden Beans

Carefully Selected Strains of Exceptional Quality

On Beans we now pay all transportation by Parcel Post, Express, or Freight at our option anywhere in the United States, regardless of distance or amount. For complete details, see page 1.

Culture—Plant Dwarf Beans in small gardens, in rows 2½ feet apart, and three or four Beans in a hill about a foot apart in the rows. Cover the Beans with 2 inches of soil and press it down firmly, to aid in germination. For a continuous supply, plant about May 15 and every ten days until August. Never cultivate or handle beans when the vines are wet.

One pound will plant a row 100 feet long; 60 to 100 lbs. to an acre.
2 pounds equals 1 quart, 15 pounds 1 peck, 60 pounds 1 bushel.

Green-Podded Dwarf Beans

Bountiful. If you like a flat green-podded Bean, the Bountiful is sure to please you. It has a beautiful, light green, semi-round, straight, stringless pod, 6 to 7 inches long. Begins bearing quite early and lasts a long time. A hardy, early, productive sort, growing about 15 ins. high. The dry Beans are light yellow, and may be boiled. 62 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Asgrow Valentine. A stringless Black Valentine. Pods are long, straight, oval and completely stringless. Plants, which resemble Black Valentine, are sturdy and prolific. Becoming very popular. 63 days. Pkt. 10c; ½lb. 20c; lb. 40c; 5 lbs. 95c; 10 lbs. $1.80; 25 lbs. $4.25.

Tendergreen. A new, delicious, tender, fine-flavored, early, dwarf bean. Pods are long, round, very meaty, of a light green color and entirely stringless. Try this new one this year. 60 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts. 10 lbs. $1.60; 25 lbs. $3.75.

Stringless Green Refugee. Quite similar to the Late Refugee or 1,000-to-1, except that it is stringless. It has a slender, light green pod, slightly curved, about 5 inches long, of good quality. A good yielder, coming into bearing late. Popular for canning. 84 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.00.

Hopkins Earliest Red Valentine. The finest strain of the old Red Valentine type. Pod about 5 inches long, round, with some string. 60 to 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Refugee or 1,000-to-1. A good old late canning sort with round pods, but inclined to be stringy except when quite young. 82 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Tennessee Green-Pod. A large, flat-podded variety, having strings, but of such good quality that it is popular where well known. Pod 6 to 7 inches long, curved, irregular, and dark green. 60 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Bountiful Bean

Giant Stringless Green-Pod. Larger and later than the Stringless Green-Pod, with a round, light green pod 6 inches long, quite straight. Used extensively for canning. 62 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Stringless Green-Pod. If a round-podded green Bean is preferred, the Stringless Green-Pod is the finest. It is a strong-growing, dark green, foliage sort, with round, meaty, brittle, slightly curved pods of highest quality, that simply refuse to get stringy even when old enough to shell. Dry Beans dark brown. 61 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Full Measure. A comparatively new sort worth trying. It is ready for table use a few days later than Stringless Green-Pod, and very productive, as indicated by its name. The fine stringless green pod is about 6 inches long, straight, very fleshy, round, and crease-backed. When dry, the Bean is similar to the Red Valentine and should be used in place of it. 66 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

SHELL BEANS—For Dry Winter Use

FRENCH HORTICULTURAL. 70 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

DWARF HORTICULTURAL. 65 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

ROBUST PEA. (Improved White Navy.) Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 65 cts.; 10 lbs. $1.20; 25 lbs. $2.75.

WHITE MARROW. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 75c; 10 lbs. $1.40; 25 lbs. $3.25.

WHITE KIDNEY. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 75c; 10 lbs. $1.40; 25 lbs. $3.25.

RED KIDNEY. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 75c; 10 lbs. $1.40; 25 lbs. $3.25.

Full Measure Beans

WRITE FOR SPECIAL PRICES ON LARGER QUANTITIES OF BEANS

Livingston's Dwarf Wax Beans

Sure-Crop Wax. As its name indicates, a thrifty, hardy sort and very popular with gardeners. A big-yielding, semi-round, long-podded, deep yellow, stringless variety. Everybody should plant some Sure-Crop. 70 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

WARDWELL'S KIDNEY WAX. This is the handsomest of the flat-podded Wax Beans, and very popular. The pods are straight, 6 inches long, broad, flat, stringless, and light yellow in color—almost transparent. Rather tender but productive. Best flat-podded variety for home-gardens. 61 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

KEENEY'S RUSTLESS GOLDEN WAX. Mr. Keeney says: "This is the only absolutely rustproof early Wax Bean we ever grew in New York State." An improvement over older types. Has a thick, flat, yellow pod 4½ inches long, and stringless. For home-gardens and canning. 66 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

LIVINGSTON'S PENCIL-POD WAX (Refugee Wax). 64 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Davis White Wax. Has a beautiful flat yellow pod which will stand shipping. It is too tough, however, for home-gardens. 58 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

LIVINGSTON'S HARDY WAX. A good grower, producing round, yellow, meaty, tender, stringless pods of fine flavor, and about 4½ inches long in 62 days. Adapted to home-gardens. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts. 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Unrivaled Wax. This very productive sort is ready in about 60 days from planting. The beautiful light yellow pods are 5½ inches long, semi-flat, fleshy, of fine texture and flavor. A vigorous grower; almost blightproof. Popular with gardeners and well adapted to home gardens. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.65; 25 lbs. $3.90.

WEBER WAX (Crackerjack Wax). A high-quality early variety. Bright yellow pods 6 to 6½ inches long, quite broad and uniformly curved, fleshy, stringless and brittle. 59 days. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 85c; 10 lbs. $1.60; 25 lbs. $3.75.

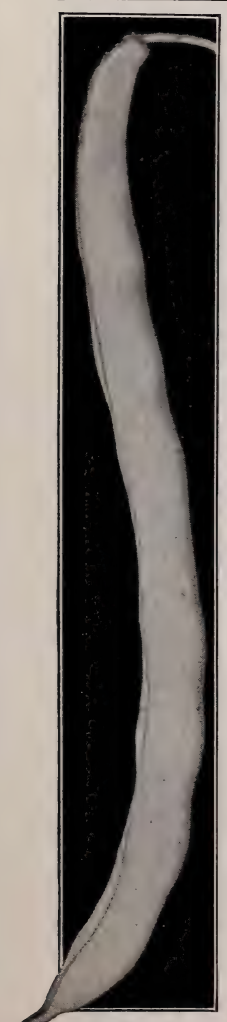
IMPROVED GOLDEN WAX. An old-timer but rather out of date now. Has 4-inch flat yellow pods. 61 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Improved Pencil-Pod Black Wax. The old, original Black Wax was never beaten for quality. This Pencil-Pod strain has a better shaped and longer pod. Fine for home-gardens. 60 days. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 85c; 10 lbs. $1.60; 25 lbs. $3.75.

MEXICAN BEAN BEETLES

Combat this pest with "Hammond's Slug Shot." Listed on page 65. For other combatants see our Spray Calendar.

Sure-Crop Wax Bean



Imp. Pencil Pod Black Wax Bean

Pole or Running Beans

Culture—The Pole or Running varieties are tender and should be sown two weeks later than Bush Beans. They succeed best in sandy loam, which should be liberally enriched with manure. Form hills 3 to 4 feet apart; plant three to six Beans in a hill, 2 inches deep, leaving space in center for the pole. When well started, thin to form 2 to 4 plants in the hill.

Two pounds will make 100 to 200 hills, according to size of Beans

Kentucky Wonder or OLD HOMESTEAD. An old favorite with long, deep saddle-back, stringless pods. Long season; very prolific; best quality. 78 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Kentucky Wonder Wax. Similar to above, except has light waxy yellow pods. Thick; flat; very tender and stringless. 76 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

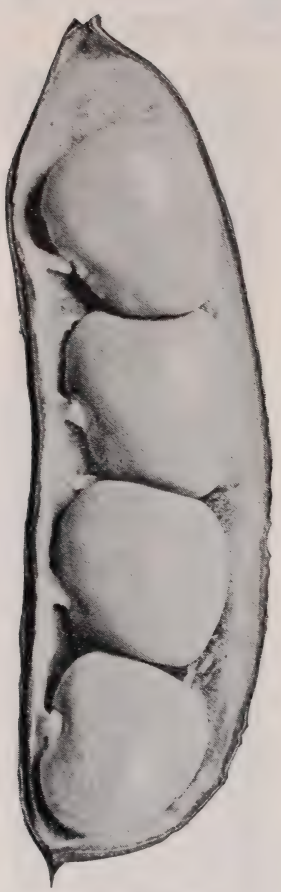
LAZY WIFE. Medium green, broad, flat 6 inch pods. Stringless. 75 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Ideal Market. *New.* It is claimed that this variety will mature eight to ten days ahead of Kentucky Wonder. Pods 5 inches long, round, green, and entirely stringless. It is very productive and of good quality. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 95c; 10 lbs. $1.80; 25 lbs. $4.25.

SPECKLED CRANBERRY (Bird Egg Bean or Horticultural Pole). Midseason sort. Straight; flat; 5 inch pods. Shell Beans only. 72 days. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 90c; 10 lbs. $1.70; 25 lbs. $4.

McCASLAN POLE. Fine for snaps and dry shell use. Pods 8 inches, medium green, slightly flat. Seeds white. Good quality. 65 days. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 95c; 10 lbs. $1.75; 25 lbs. $4.15.

CULTIVATE BEANS ONLY WHEN THE FOLIAGE IS DRY



Fordhook Bush Lima Bean

Bush Lima Beans

Culture—Limas are tender and must be planted after all danger of frost is over. Make rows 2 to 3 feet apart and plant beans on edge with eyes down every 6 to 8 inches. Cover to depth of 1 inch. Cultivate well, only when they are dry and up until they blossom.

One pound will plant 150 feet of row.

Burpee's Improved. This has uniformly larger pods than the original Burpee's Bush Lima and the Beans are thicker and remain green even in the dry stage. The plants are very prolific, bearing pods in clusters of from five to seven, the individual pods averaging 5 inches long and containing up to six Beans. The Beans are thin-skinned and of delightful flavor. 75 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20; 25 lbs. $5.25.

New Wonder. The bushes grow about 20 inches high. Pods are smaller than Burpee's Improved; Beans slightly smaller; a few days earlier, and quite productive. A sure cropper. Very true to bush form. 70 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.10; 10 lbs. $2.10; 25 lbs. $5.

HENDERSON'S. The Baby Lima. Beans and pods are small. Very productive and a sure cropper. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

WOOD'S PROLIFIC. An improved Henderson's Bush Lima, as the Beans are larger and thicker. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Fordhook. The one best Bush Lima. Outsells all others. The stiffly erect bushes branch freely and bear tremendous crops. It is ready for use quite early. The Beans are very fat, are closely packed in the pods, shell very easily and remain green a long time. Pods are borne in clusters of from four to six, average 4 to 5 inches long, and contain usually four tender Beans of a delightful flavor. 75 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 45 cts.; 5 lbs. $1.35; 10 lbs. $2.60; 25 lbs. $6.25.

Pole Lima Beans

One pound of medium-sized Lima Beans will plant 150 hills, three Beans to the hill

Early Leviathan. The earliest of the large-podded sorts. The pods are 5 to 6 inches in length and often contain five to six large, flat, pale green Beans of excellent quality. Very productive. 80 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Giant-Podded. **The largest podded Lima in cultivation;** extremely vigorous in growth; midseason. Pods measure about 7 inches long by 1½ inches broad and are borne in clusters of six to eight; Beans extra large and of excellent quality. 88 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

KING OF THE GARDEN. Vigorous grower, pods containing five to six large Beans, which are of fine quality. The vines grow strong and yield heavily. Very fine variety. 84 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Ask for special prices on Beans in larger quantities

Lima Bean Pod OPENER

SOMETHING NEW

Opens pods easily.

Prevents sore fingers

PRICE 25c Postpaid.

Beets for Stock Feeding

Culture—Sow in rows 2½ to 3 feet apart as soon as the ground can be thoroughly worked. Cover seed about 1 inch, making ground firm over the seed. When 4 inches high, thin to 8 inches apart. Beets cannot stand being frozen, so should be harvested before cold weather sets in, and they may be buried in pits the same as potatoes or turnips, when roots are thoroughly dry.

Six pounds of seed sow 1 acre

Mangel-Wurzels

MAMMOTH LONG RED. Jumbo Mangel, Colossal, etc. A favorite with the farmer and dairyman. Large; well-formed; dark red color; very nutritious; a big cropper. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2; 10 lbs. $3.75.

GOLDEN TANKARD. Very productive and sweet; flesh yellow; tops and neck very small; relished by sheep and cows. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 15 cts.; lb. 50 cts.; 5 lbs. $2; 10 lbs. $3.75.

GOLDEN GIANT INTERMEDIATE. Yellow Leviathan. Skin smooth; flesh white, firm, sweet; productive; easily pulled; good keeper. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2.

Sugar Beets

KLEIN WANZLEBEN. Greatest milk-producing roots known. The yield is not quite equal to mangels, yet the feeding value is superior. Contains the greatest amount of sugar of any. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

GIANT HALF-SUGAR ROSE. Yields nearly as much per acre as mangel-wurzels and the roots are of larger nutritive value. Roots grow partly out of ground and are easily harvested. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

GIANT HALF-SUGAR WHITE. Similar to above, only white. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.25.

Ask for prices on large lots of both Mangels and Sugar Beets

Table Beets

Detroit Dark Red Beets

Culture—The soil best suited for the culture of the Beet is that which is rather light, well fertilized. If wanted very early, sow in hotbeds and transplant; but for main crop sow in the spring, as soon as the ground becomes fit to work, in drills 1½ feet apart, ½ inch deep. For winter use, the turnip varieties may be sown as late as June and the seed covered 2 inches. When the plants are 3 to 4 inches in height, thin out so that they stand 3 to 4 inches apart. Keep free from weeds by frequent hoeing and hand-weeding if necessary. Before freezing weather sets in the roots may be stored in cellars or pits, same as potatoes. Dry earth thrown over them before the straw is put on insures their keeping over winter.

One ounce of seed will sow 50 feet of drill; 5 to 6 lbs. to the acre

Extra-Early Dark Red Egyptian. Very early, but a little later than Crosby's Egyptian which has quite largely taken the place of it. The shape is more flat. Dark blood-red, medium size, tender and sweet. Good for forcing. 45 days. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 85 cts.

Early Eclipse. A good old sort, but largely displaced by Detroit Dark Red. The tops are small, roots are bright deep red, smooth, round or slightly top-shaped. The flesh is bright red, zoned with pink; very sweet, crisp and tender when young. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

DEWING'S IMPROVED BLOOD TURNIP. Medium-early and late main-crop variety. Roots smooth, tender, and sweet. Big cropper. Sow late for winter storage. 56 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

Crimson Globe. A late main-crop variety. Root of medium size, handsome globe shape and remarkably smooth surface. Skin and flesh are deep, rich red, fine grained, sweet and tender in all stages of growth. Small tap-root; leaves are small, dark green. 54 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

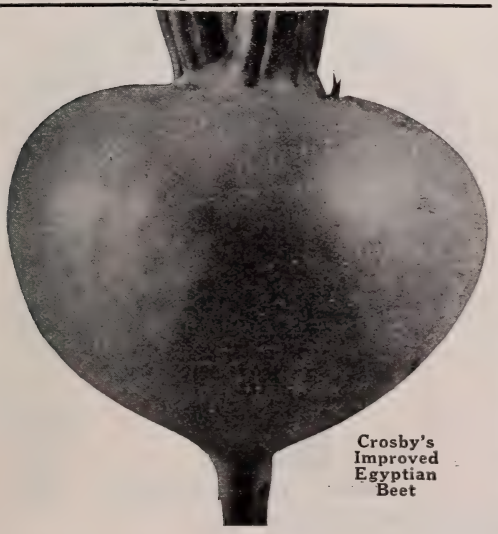
Early Wonder. A fine selection from Crosby's Egyptian, being a little smaller in size. Average more full on the bottom and come a little earlier. The demand for Early Wonder is growing several hundred pounds annually. It is a turnip-shaped variety of very uniform type and is always smooth. Flesh is a beautiful deep red color, more uniform than Crosby, and is of excellent quality. Tops are small and erect and it may therefore be planted closer than most other sorts, thereby increasing yield. 50 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

It is easier to order from us, and at a saving. We pay transportation regardless of amount or distance. See page 1.

Detroit Dark Red. **Greatest sort for canners.** This superb variety is one of the most popular red turnip Beets, not only for market gardeners, but for home use. It is also one of the best for canning, making a strikingly handsome product. The small top, early maturing and splendid shape and color have made it a favorite. Top small, upright growing, leaf, stem and veins dark red, blade green; root globular and very smooth; color of skin dark red; flesh deep, bright red, zoned with a darker shade, very crisp, tender and sweet, remaining so for a long time. Very uniform in shape, color and quality. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

EDMAND'S BLOOD TURNIP. A second-early sort and very uniform. Root is always smooth, round, and handsome; top small; of good marketable size and among the best for table use. Color dark red; crisp tender and sweet; good keeper. 57 days. Pkt. 5 cts.; oz. 10 cts. ¼lb. 25 cts.; lb. 75 cts.

Crosby's Improved Egyptian. A very superior Beet. Of handsome form, good size, few small tops, very small tap-root, fine quality, and a rapid grower. Very early. The shape is very desirable. (See illustration.) Takes on its turnip shape and looks well in the very early stages of its growth, on which account it is preferred for first early crop. Being a rapid grower, it may be sown outside as late as July. Skin dark red, flesh somewhat lighter, with a few specimens of light red or pink. All, however, are of a fine bright red shape when boiled and equally delicious in flavor. 45 days. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 30 cts.; lb. $1.

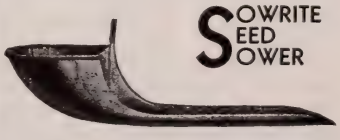


Crosby's Improved Egyptian Beet

SPECIAL BEET COLLECTION

EARLY WONDER
DETROIT DARK RED
EDMAND'S BLOOD TURNIP

1 pkt. ea. (val. 20c) 15c
1 oz. ea. (val. 35c) 25c



SOWRITE SEED SOWER

SOWS SEED AT A TOUCH

Hold with one hand, tap lightly with other. Adjustable regulator. Takes all seed up to Sweet Peas. Saves seed!

Price 50c Postpaid

Golden Acre Cabbage

Copenhagen Cabbage

Weißkraut Best Cabbage

Culture.—Cabbage does best in rich, mellow, well fertilized soil. For early, sow seed inside in a box or in hot-bed early in February. Transplant into other boxes later and harden off by gradual exposure outside. Transplant outside in April in rows 2 feet apart and 1½ feet in the row. When transplanting outside, set plants down to the first leaf and do not cover the heart with soil. Cultivate often and deeply. For later Cabbage, sow seed outside when soil can be worked and transplant in about four weeks. Late Cabbage can be sown ½ inch deep in May and transplanted in July. Maturities given are from date of transplanting.

One ounce of seed produces about 2,500 plants
4 ounces produces enough plants to set an acre

Early Varieties

Golden Acre. In this variety you get a very fine sort from Denmark—the home of fine Cabbages. Golden Acre produces heads about a week ahead of Copenhagen Market. It is very uniform, medium size and quite round. The head is surrounded by small outer leaves as shown in the illustration. It is very firm, being equal to any of the late sorts in this respect. On account of its hardness it will stand for a long time without bursting. 55 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Special Strain Golden Acre. Comes direct from our Denmark Grower. Matures at least a week ahead of other earlies. If you want something unusual for special dishes, grow this one. 50 days. Pkt. 15 cts.; ½oz. 30 cts.; oz. 55 cts.; ¼lb. $1.85; lb. $6.50.

Early Jersey Wakefield. Considered by many as best early variety. Pyramidal in shape, with blunted peak; very sweet. Large heads for an early sort. Seed offered is from best growers. 62 days. Pkt. 10c; ½oz. 15c; oz. 25c; ¼lb. 70c; lb. $2.25.

Large Charleston Wakefield. A selection from the above. Grows larger heads, often 8 to 10 pounds, but comes about a week later. Very solid and of fine quality. 66 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

Copenhagen Market. A splendid extra-early round-headed sort which matures as early as the Wakefields and is of larger size. Practically every plant forms a perfect, tightly folded head averaging 5 to 8 pounds in weight. The compact growth of the plant, the solidity of the head, its excellent flavor, and extreme earliness—all combine to make Copenhagen Market one of the most popular early Cabbages. 66 days. Pkt. 10c; ½oz. 20c; oz. 30c; ¼lb. 85c; lb. $3.

Marion Market. **(Copenhagen Yellows-resistant.)** Highly resistant to "yellows." Round head, short stem, fine quality. To those who are unable to grow a satisfactory crop because of this disease, we highly recommend Marion Market. However, if there has been no evidence of "yellows" in your crop, we recommend that you use our regular Copenhagen Market. About 69 days. Pkt. 15c; ½oz. 25c; oz. 40c; ¼lb. $1.30; lb. $4.50.

Second Early Varieties

Glory of Enkhuizen. Larger than Copenhagen Market, and quite round. A long-keeping sort. Dwarf and compact, allowing of close planting. Heads fine, ball-shaped. 72 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

GLOBE (Yellows-resistant Enkhuizen). Same as Glory of Enkhuizen in type and maturity but possesses the distinct quality of an unusually short core. Pkt. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40; lb. $5.

All-Season. **(Vandergaw.)** Heads very large, round, solid, and of fine quality, keeping as well as the winter sorts. Remarkable for its ability to stand hot sun and dry weather. Does not head up all at once. 76 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.

YELLOWS RESISTANT ALL-SEASONS. 85 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

HENDERSON'S EARLY SUMMER. An old standard with many growers. Heads large, flattened, and of good quality. 78 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.

Glory of Enkhuizen Cabbage

GROW BOTH EARLY AND LATE MATURING CABBAGE

for All Seasons *Gol repollo*

Second Early Varieties---Continued

Allhead Early. Of remarkably uniform size and shape and sure-heading qualities. Deep, flat heads, solid and uniform in color. In tenderness, unsurpassed. By reason of its compactness it may be planted closely. For winter use, sow in July. 70 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

YELLOWS RESISTANT ALLHEAD EARLY. 73 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

EARLY WINNIGSTADT. Well-known and popular second-early Cabbage. Heads decidedly conical. Solid, even in summer; almost worm-proof, because so hard. A sure header. 72 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c.; lb. $2.

SUCCESSION. A large, medium-early sort, its outer leaves being unusually short. A very sure header. Heads deep and of excellent quality. 76 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Danish Ballhead Cabbage

EARLY DWARF FLAT DUTCH. Excellent second-early variety, producing fine large heads. Highly valued for its fine quality and ability to resist heat. Heads very solid, broad, round, flattened on top, tender and fine-grained. 76 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Late Varieties

Danish Ballhead Short-Stem. **(Hollander, Dutch Winter).** A splendid variety well known for its solidity, weight and superb keeping qualities. The most popular of all the late Ballhead types. Stock is grown for us by one of the best Danish growers. 83 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

Yellows Resistant Hollander. A strain of Danish Ballhead which is resistant to "Yellows." Should be used where this disease is prevalent. 91 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Surehead. Large, round flattened head with few loose leaves. Good keeper. Late home garden sort. 86 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼ lb. 65c; lb. $2.

Danish Ironball Cabbage

Livingston's American Ballhead. Our stock of this variety comes from an American grower of more than thirty years' experience. He says of it, "We believe it to be a considerably better strain than any in current use in the trade." 85 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.; lb. $3.25.

The Volga. This variety is of the greatest uniformity. The heads are about equal in size and shape, round as a ball, the largest measuring about 12 inches in diameter either way. Heads very solid; the flesh is exceedingly firm, tender, and white. Extremely hardy. 91 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

Livingston's Premium Flat Dutch. The main-crop late variety. Because of its solidity and compact manner of growth, it is a heavy yielder. The heads are large, white, crisp, tender, and sure to head. Grown largely for kraut-making in the autumn. 85 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.

Savoy Cabbage

The Savoy or Curly Cabbages are of fine flavor.

SMALL EARLY SAVOY. Best early. Heads firm, solid, beautifully crimped; finest quality. 73 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

IMPROVED AMERICAN SAVOY. (Perfection D. H.) Heads large and finely curled; short stalk; compact grower; sure header; keeps well. Best for main crop. 84 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

Red Cabbage

Danish Ironball. As round as a ball and as hard as iron. Heads grow to large size, averaging 8 ins. in diameter, of rich color throughout. 80 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

YELLOWS RESISTANT RED HOLLANDER. Same as Danish Ironball but is proof against the yellows disease. 84 days. Pkt. 15 cts.; ½oz. 30 cts.; oz. 55 cts.; ¼lb. $1.85.

MAMMOTH ROCK RED. Heads as large as Premium Flat Dutch; deep red to center. Highly recommended. A hard-heading variety. 84 days. Pkt 10c; ½oz. 15c; oz. 25c; ¼lb. 80c; lb. $2.75.

Chinese Cabbage

Also known as "Celery Cabbage," "Odorless Cabbage," "Chinese Lettuce," etc.

It is a species of Cabbage with a fine delicate flavor, as tender as head lettuce, and in great demand for numerous dishes, such as salads and cole slaw, or it may be cooked quickly. It cannot be grown successfully here as a spring crop. For fall crop, sow early in August.

CHIHILI. This variety, in our trial-grounds, runs very true to type, being taller than Wong Bok. Length of head is about 16 inches. Outer leaves dark bluish green, while the inside is creamy white and of fine quality. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

WONG BOK. The heads of this sort are short and heavy. It has beautifully curled leaves of fine quality and is a sure header. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

CABBAGE IS FINE FOR BOTH SUMMER AND WINTER MENUS

Chantenay Carrot

Möhren Carrots *Zanaborias*

Culture.—Sow in early spring in drills 15 to 18 inches apart, finally thinning the plants to 3 to 4 inches apart. If sown early on moist soil, a half-inch is deep enough to cover the seed. The seed is slow to germinate. Keep clean by frequent hoeing and weeding. If neglected, the young plants are easily smothered, and the crop lost.

One ounce sows 100 feet of drill; 4 pounds sow one acre

Red-Cored Chantenay. **(New.)** A true Chantenay but has a red core. Color nearly same throughout, making it appear to be coreless. Very tender, of excellent flavor. 69 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Improved Danvers. **(Half-Long). The best for general crop. Will yield the most per acre.** It is grown largely on account of its productiveness and adaptability to all classes of soils. Tops medium size, roots deep orange, large, but of medium length, tapering uniformly to a blunt point. Smooth and handsome; sweet, crisp and tender. 75 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

Oxheart. Intermediate in length and diameter; quality extra good. Comes early. Some sorts require digging but the Oxheart can be easily pulled. Adapted to shallow soils where the longer sorts would not thrive so well. 74 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

Nantes Half-Long. A very good early sort. Sweet and fine flavored; almost without a core; very fine grained; excellent for the home-garden. One of the finest in quality and handsomest of the medium-sized sorts; about 6 inches long. 70 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

Hutchinson. A selection from the Danvers. Slightly darker orange skin, an inch or two longer. 72 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Improved Chantenay. It is about 6 inches long, thick through, and decidedly stump-rooted. In size it is between the Oxheart and Danvers. The flesh is a deep orange-red, fine-grained, and of excellent flavor. It is very early and always produces smooth, shapely roots. One of the best for home-gardens. Our strain of seed is unsurpassed. 69 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

IMPROVED LONG ORANGE. 80 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 80c.

LARGE WHITE BELGIAN. 80 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

Blumenkohl Cauliflower *Coliflor*

Culture.—Cauliflower delights in a rich, moist soil, and in dry seasons should be abundantly watered, especially when heading. Sow the seed in the hotbed in January or February and transplant the plants 2 to 3 inches apart in boxes, or in another hotbed, until such time as they may safely be planted in the open ground. Set the plants in the field 2 feet by 15 inches apart. When heading tie the outside leaves loosely over the head to protect it from the sun.

One ounce will produce 3,000 plants

Dry-Weather. This is a fine, large, heavy, pure white variety that matures later than Snowball. Best for **dry localities** on account of its large leaves which furnish greater protection to the heads. 60 days from trans. Pkt. 25 cts.; ¼oz. 65 cts.; ½oz. $1.15; oz. $2; ¼lb. $7.25.

Henderson's Early Snowball. Heads of medium size, compact, and very white. Has few short, upright leaves. A very sure header. 55 days from trans. Pkt. 25 cts.; ¼oz. 60 cts.; ½oz. $1; oz. $1.90.

SUPER SNOWBALL. An extra-fine selection of Early Snowball. Same maturity. Pkt. 25 cts.; ¼oz. 85 cts.; ½oz. $1.50; oz. $2.75.

Livingston's Earliest. Our Danish grower spares no pains or expense with this seed stock. For wintering in coldframes for early crop, it cannot be excelled, and it does equally well for a fall crop if planted late and treated the same as late Cabbage. Has taken the place of many of the late varieties on account of its fine texture, pure white heads, and large uniform size. 52 days from trans. Price, under our "True Blue" Seal, pkt. 25c; ¼oz. 65c; ½oz. $1.15; oz. $2; ¼lb. $7.25.

Livingston's Earliest Cauliflower

Celery

One ounce will produce 4,000 plants, 10 to 12 ounces to an acre.

Complete cultural leaflet on request

Giant Pascal. Forms solid, crisp stalks of rich, nutty flavor. It is of strong growth, blanches easily to rich creamy white, and is very brittle. A fine keeper for midwinter use, retaining color and fresh appearance a long time. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

LIVINGSTON'S SELECTED GIANT PASCAL. Our growing. Pkt. 25 cts.; ¼oz. 80 cts.; ½ oz. $1.50; oz. $2.90.

Golden Phenomenal. **(New.)** Similar to Golden Plume, but taller. It is 27 to 28 inches and 8 to 9 inches to the first joint. The season is the same as Golden Plume. Plants heavy and compact, full hearted, and not inclined to be sprangly; stems broad, thick, brittle, free from strings, of fine flavor and excellent quality. Pkt. 25 cts.; ¼oz. 35 cts.; ½oz. 50 cts.; oz. 90 cts.; ¼lb. $3.25.

Golden Self-Blanching. Of French origin. Heavy, compact plants that grow to good size. It is very tender, solid, crisp, heart large, of excellent quality and beautiful golden color.

DWARF STRAIN. A splendid strain. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

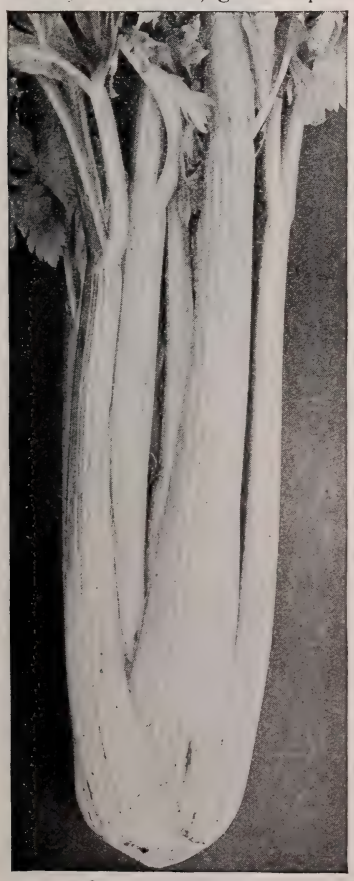
TALL STRAIN. From one of the most careful growers. **New Strain.** Early. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Columbia. An early-maturing sort. The plant is of medium height, but very stocky and heavy. The stalks are thick, almost round, of rich yellow tint. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Emperor. A distinct variety of true dwarf type and, therefore, easier to blanch. The plants average about 15 inches in height. Stalks smooth, very thick, white, heart tinged with yellow and very crisp, with decidedly nutty flavor. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40; lb. $5.

White Plume. Stalks and portions of the inner leaves and heart are white and of good flavor and fine texture. Adapted to fall and early winter use; good keeper up to the holiday season. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 75 cts.; lb. $2.50.

Giant Pascal Celery



Golden Plume Celery

Golden Plume. This is a selected strain of Golden Self-blanching, having a beautiful golden color and that rich, nutty flavor so much desired by lovers of fine Celery. It resists blight and rust to a remarkable degree, matures quite early, and keeps a long time. Pkt. 15c; ¼oz. 25c; ½oz. 40c; oz. 75c; ¼lb. $2.75.

Easy-Blanching. A remarkably easy variety to blanch, and being adapted to early use as well as storing for winter makes it especially suitable for the home-garden. Stalks white, thick, brittle, and of excellent flavor. A strong, healthy grower. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

WINTER QUEEN. Pkt. 10c; ½oz. 15c; oz. 25c; ¼lb. 75c; lb. $2.50.

Celeriac--Turnip-Rooted Celery

Sow the seed same as for Celery. Transplant into rows 2 feet apart and 9 inches in the row. Thorough cultivation is necessary to secure good roots. The roots may be cooked or used as salad.

GIANT SMOOTH PRAGUE. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

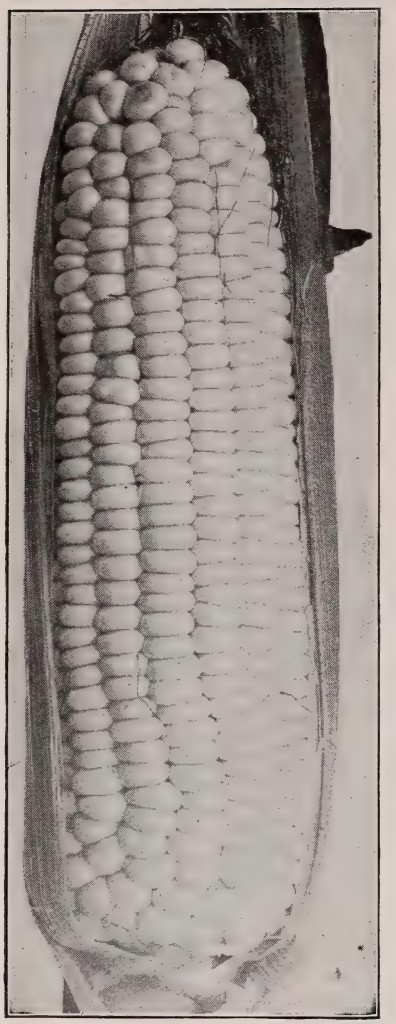
Kresse Cress or Pepper Grass *Berro*

One ounce will sow 100 feet of drill

EXTRA-CURLED. A well-known and very agreeable pungent salad; can be used alone or with lettuce. Requires to be sown thickly, at frequent intervals, covering very lightly, to keep up a succession, as it soon runs to seed. May be cut two or three times. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

TRUE WATER. Well-known hardy perennial aquatic plant. Is easily grown along margins of ponds and streams. Has a pleasant, pungent flavor. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

UPLAND. Hardy perennial; stays green nearly whole year; ready for use before any other salad. Sow in April in rows 1 foot apart. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 40 cts.; lb. $1.35.



Whipple's Early White Corn

Livingston's Finest

Delivered Free Anywhere in the United States. **See Page 1**

Culture.—The Sweet or Sugar Corn varieties, being liable to rot in cold or wet ground, should not be planted until May, or when the soil has become warm and dry. For a full supply for the table during the entire season, plant every ten days or two weeks until the last week in July, in hills 2 by 3 feet apart for the early kinds, and 3 by 3 feet for the large late sorts, using four or five grains to the hill. Cover seed 1 inch. Give frequent and thorough cultivation all the season.

One pound plants 300 feet of row. 12 to 16 pounds to an acre
1½ pounds equals 1 quart, 12 pounds a peck, 48 pounds a bushel

Whipple's Early White. Of the Evergreen type, but ready for use much earlier. Comes only about a week later than the small extra-early sorts but is much larger. Ears 8 to 9 inches long, 16 to 18 rows of pearly white and very sweet grains. One of the best for market or home-gardens. 79 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 85c; 10 lbs. $1.60; 25 lbs. $3.75.

EARLY MAYFLOWER. Ears 5 inches long, with 10 to 12 rows of pure white, sweet grains. 75 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Alpha. A very early white variety, maturing a week or more ahead of White Cory, and is of just fair quality. The ears average 6 to 7 inches long, are finely shaped, and set low and close to the stalks. Stalks average 4 feet high. A very desirable variety for the market gardener. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

MAMMOTH WHITE CORY. Extra early, with ears about 7 inches in length. Cob and kernel pure white. Our stock is of the original type, growing about 4 feet high. 72 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Columbus Market. The ears, often 10 inches long, carry an average of 16 rows of fine, large, deep, white and very sweet grains, which are second to none in tenderness and flavor. The stalk is very strong, of medium height; the leaves broad and dark green in color, a habit of growth which gives it great endurance. **Very desirable for the home-garden.** 85 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 85c; 10 lbs. $1.60; 25 lbs. $3.75.

Livingston's Early Sugar. Here is a very distinct and a very valuable addition to the early Sweet Corns. As compared with other good early sorts, it has bigger ears with more even rows which are filled well to the tip. Ears average 8 inches long by 2 inches in diameter, have from 10 to 12 rows of deep, broad, pearly white kernels of delightfully sweet flavor which is not surpassed by any other early kind. Sixty per cent of the stalks carry two well-developed ears which are usually placed 2 to 3 feet above ground. It has a remarkably strong husk which protects the ears to some extent from ravages of insects. 80 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Livingston's Broad-Grained. For a number of years this variety has been closely selected to produce the broadest possible grains, and, at the same time, to retain its depth of grain and splendid quality. The ears are of 8-rowed type and 8 to 10 inches long. It is ready for use in about 80 days. There is no variety in our list we would recommend more highly for uniform size and quality. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

KENDEL'S EARLY GIANT. Ears large, 8 to 9 inches long, with 10 or more rows of plump white kernels of delicious flavor. 80 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Gill's Early Market. The very earliest white Sweet Corn for market. Stalks are about 3½ feet high with ears set close to the ground. Ears 6 to 7 inches long, rather blocky in form, of good size, with white cob and grain of good quality. Plant Early Market for first early crop. 69 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 95c; 10 lbs. $1.80; 25 lbs. $4.25.

EARLY EVERGREEN. An early strain of Evergreen. The ears grow to a good size, usually about 7 inches long, and contain 16 to 18 rows of deep, sweet grains. 87 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. 75c; 10 lbs. $1.40; 25 lbs. $3.25.

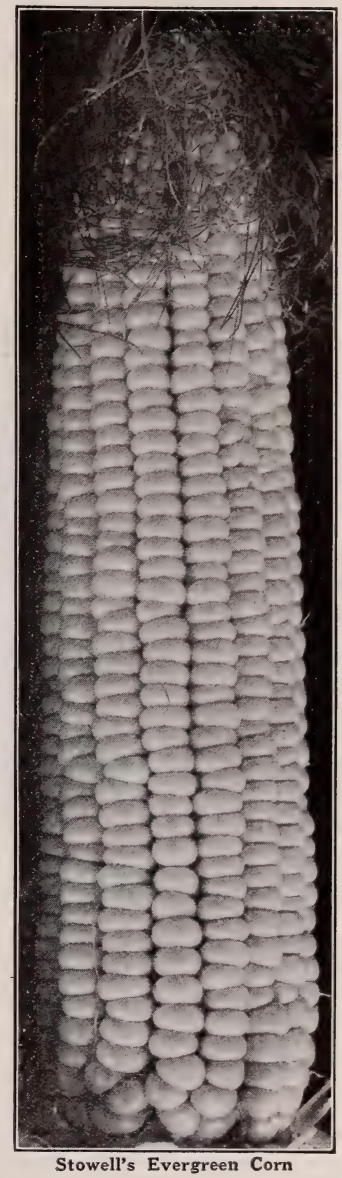
Gill's Early Market Corn

Sweet or Sugar Corns

Howling Mob. One of the best-flavored and most tender of all medium-early white Sweet Corns. The ears are 7 to 8 inches long, with 12 to 14 rows of pure white grains. 80 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Stowell's Evergreen. A favorite with canners and market gardeners for late use, and especially for the kitchen-garden. Ears large, 8 to 9 inches long, kernels very deep, tender and of most delicious sweetness. 92 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Country Gentleman. **One of the richest flavored of all the late varieties.** The plump, pearly white kernels are of great depth. Ears average 7 inches long by 2 inches in diameter. 96 days. Pkt. 10c; ½lb. 20c; lb. 35c; 5 lbs. 90c; 10 lbs. $1.70; 25 lbs. $4.



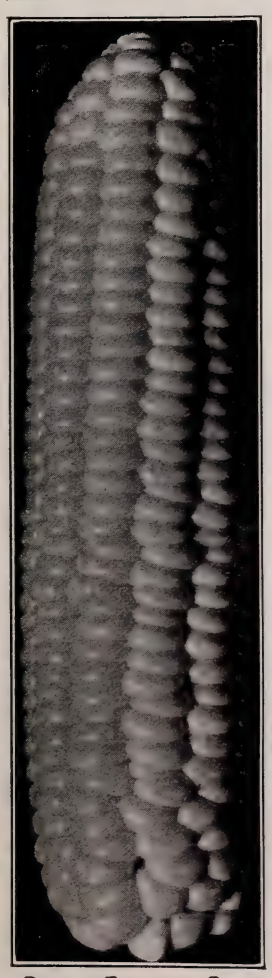
Stowell's Evergreen Corn

Yellow or Golden Sweet Corns

Bantam Evergreen. **A Golden Evergreen.** Has the good qualities of Golden Bantam combined with those of the Evergreen. Comes just right in season to follow the early sorts. Color a rich golden yellow. Ears about 8 inches long and 2 inches thick. 90 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 80 cts.; 10 lbs. $1.50; 25 lbs. $3.50.

Golden Sunshine. This new Corn will average about a week earlier than Golden Bantam. It has 12-rowed ears, 7 inches long, with deep yellow, deliciously sweet grains. Stalks grow only about 5 feet high. Especially valuable for its extreme earliness. 74 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Whipple's Early Yellow. This new variety is double the size of Golden Bantam, only a few days later, and fine quality. The ear is 7 to 8 inches long and has 12 to 16 rows of large kernels. Stock grown from the originator's seed. 80 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.



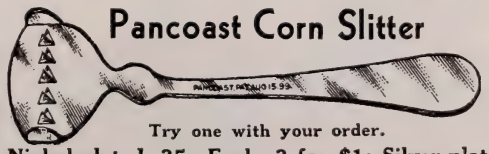
Bantam Evergreen Corn

Golden Bantam. One of the most delicious of all Sweet Corns. Ears are about 6 inches long, 8-rowed, filled with broad, sweet, golden yellow kernels. 78 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 75 cts.; 10 lbs. $1.40; 25 lbs. $3.25.

Golden Cross Bantam. A new hybrid, remarkably resistant to Stewarts Wilt, grown for us by Ohio State University. It is a 10 to 12 rowed variety, slightly longer than Golden Bantam, same quality and matures a few days later. Tests have proven this hybrid to greatly outyield other commercial varieties and in addition it matures all at the same time. Pkt. 20 cts.; ½lb. 35 cts.; lb. 65 cts.; 5 lbs. $3.

BARDEN'S WONDER BANTAM. Same type, season and quality as Golden Bantam, but longer ear. Stalks grow from 5 to 6 feet high and have ears 8 to 10 inches long; 8 rows of rich golden kernels. Originator's stock. 80 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 85 cts.; 10 lbs. $1.60; 25 lbs. $3.75.

Pancoast Corn Slitter



Try one with your order.

Slits every grain on a cob of corn in three or four strokes. Does not remove the grain but cuts it. Excellent for preparing corn for muffins, fritters, etc. Slit the grains and push them into a dish with front of slitter, used as a scoop.

Nickel-plated, 35c Each, 3 for $1; Silver-plated, 75c Each, 3 for $2; Ppd.

Pop-Corn

Japanese Hulless (Tom Thumb). A heavy yielder of short, thick, uniform ears and shells out heavy on account of very deep grains. It pops out a very large, pure white grain, and is of delicious quality. Very tender but retains its shape very well. Dwarf-growing. An excellent popper. Pkt. 10 cts.; ½lb. 15 cts.; lb. 20 cts.; 3 lbs. 55 cts.; 5 lbs. 85 cts.

WHITE RICE. Very productive; excellent quality; very crisp and delicious. Pkt. 10 cts.; ½lb. 15 cts.; lb. 20 cts.; 3 lbs. 55 cts.; 5 lbs. 85 cts.

Livingston's Colorite Cucumber

Gurken Livingston's Home

Culture.—As soon as the weather has become settled and warm, plant in hills 4 to 6 feet apart each way, with 8 to 10 seeds in a hill; cover ½ inch deep, smoothing the hill off with the hoe. Later, thin to 3 or 4 plants to a hill. For pickles, plant from June 1 to August 1. The fruit should be gathered when large enough for pickling, whether required for use or not, as if left to ripen on the vines, it destroys their productiveness.

One ounce of seed will plant about 50 hills; 2 to 3 pounds to the acre

Livingston's Colorite. A White Spine type. Its rich, dark green color extends well down to the blossom end. Straight and cylindrical, with medium blunt ends. Length averages 10 inches. Excellent for home use and a good shipper. 70 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Extra-Early White Spine. **The most thoroughbred, uniform, and shapely variety of White Spine known, not only for first early, but for general crop as well.** Vines are vigorous growers. The very best for slicing, and makes choice pickles; straight and smooth. A great bearer and keeps green much longer than the yellow varieties. 60 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

ARLINGTON WHITE SPINE. An early and very productive Cucumber. Fruit quite uniform, about 7 inches long and well rounded at both ends, of bright green color. Used for early slicing and when planted late it produces good pickles. 63 days. Pkt. 10c; oz. 15c; ¼lb. 30c; lb. $1.

Longfellow. An excellent, long, slender, dark green variety equally desirable for greenhouse forcing or outdoor culture, and an ideal type for the private garden or as a "straight pack" variety for shipment to market. It measures 12 to 14 inches long by 2½ inches in diameter. A good healthy grower, very productive, and is fairly early. 74 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Green Prolific **or BOSTON PICKLING.** Of uniform growth, seldom too large for pickling; produces fine, short, green pickles, and is immensely productive. 53 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Davis Perfect. A fine dark green slicing variety which retains its color long after picking. The size and shape are ideal; 9 to 11 inches long; 2½ inches thick; tapering at both ends. Has few seeds which are so small and tender they are hardly noticeable. 68 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Livingston's Evergreen Pickling. *Introduced by us in 1890.* **Generally admitted to possess every qualification required in a perfect pickling Cucumber.** Exceptionally productive. It is a very strong grower, and bears firm, crisp, evergreen fruits, which are excellent for slicing. 65 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Special Cucumber Collection

EXTRA EARLY WHITE SPINE.
LIVINGSTON'S EVERGREEN PICKLING.
LONGFELLOW
1 pkt. Ea. (Value 30c) 25c
1 oz. Ea. (Value 50c) 40c

Special "Greens" Collection

TURNIP, Shogoin
SWISS CHARD, Lucullus
MUSTARD, Giant Curled
SPINACH, Juliana
1 pkt. Ea. (Value 20c) 15c

Livingston's Evergreen Pickling Cucumber

Garden Cucumbers *Cobombro*

Early Fortune. A fine variety of White Spine type. The fruit is of uniform size and shape and is of very firm texture, thus permitting long-distance shipping. Popular in South. The skin, which is dark green, holds its color remarkably well and therefore remains in slicing condition longer than some of the other standard sorts. 66 to 70 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

KLONDIKE. Excellent strain of White Spine, remarkable for the uniformly dark green skin of its shapely fruits. Popular with southern planters. 66 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

EXTRA-LONG or EVERGREEN WHITE SPINE. Averages longer than other strains. Extra-fine shape and quality; makes a good pickle; may be grown under glass. 70 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.10.

Improved Long Green. The vines are very strong-growing and productive. The fruits are quite long, averaging 8 to 10 inches in length, and dark green in color. This good old sort is very popular both as a slicer and for pickles. 72 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

EARLY GREEN CLUSTER. The small, short prickly pickles are borne in great profusion in clusters of two and three. Fine for bottling. 53 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

WESTERFIELD CHICAGO PICKLING. A deep green pickle of medium length, slightly pointed at ends. 53 days. Pkt. 10cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

GHERKINS. Used only for pickles. Fruits small, oval, about 2 by 1¼ inches, covered with spines; color light green. 80 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Bismarck Reynolds, Jackson County, Missouri, writes: *"I raised cucumbers from your seed, as much as 17 inches long and fine shaped. Also lots of tomatoes, Oxheart, over 2½ lbs. Like your seeds and prompt service and will continue to send you my orders."*

Early Fortune Cucumber

Chicory

Culture.—Sow seed ¼ inch deep in June in open ground, in rows 12 to 14 inches apart, keeping free from weeds; water if necessary. Take up the roots in November and cut off top to about 2¼ inches from the neck and shorten lower end to a uniform length of 8 to 10 inches. Prepare a trench 16 to 18 inches deep and place roots upright, 1½ inches apart. Fill in level with good, light soil and by covering with 1½ feet of manure any portion may be forced as needed. In four to five weeks the heads will be ready for use. The blanched head is the edible portion and is generally eaten raw as a salad.

One ounce will sow 100 feet of row. 4 pounds to an acre

WITLOOF (French Endive). High-grade general stock. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

WITLOOF, SELECTED FORCING. Especially selected stock for greenhouse forcing. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1.

Collards

A plant of the cabbage family. It is well adapted to the South, enduring extreme heat; excellent for greens.

One ounce will sow 100 feet of row

TRUE SOUTHERN or GEORGIA. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Corn Salad or Fetticus

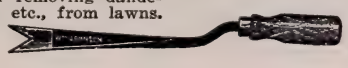
A vegetable used as a salad. Sow at the first opening of spring for summer use in rows 1 foot apart, and it is fit for use in six to eight weeks.

One ounce will sow 100 feet of row

LARGE-LEAVED. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

ASPARAGUS KNIFE — Price 40c Ppd.

No tool equals it for removing dandelions, plantain, dock, etc., from lawns. Drop forged, cutlery steel.



Dandelion

Culture.—Sow in May or June, in warm, rich soil, in rows 1½ feet apart and cover seed ½ inch. Some of the plants will be ready for use in September; the remainder the following spring.

One ounce will sow 150 feet of drill

LARGE-LEAVED. Leaves are fully double the size of the common Dandelion. They make delicious "greens." Years of the most careful cultivation have developed a very fine strain of seed. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.75.

Dill

Culture.—Sow, early in the spring, thinly in rows about 1½ feet apart for hand cultivation or 2½ feet apart if to be cultivated with horse. Cover seed about ½inch. Dill is used in large quantities for flavoring cucumber pickles and vinegar.

One ounce will sow 100 feet of row

COMMON. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

MAMMOTH. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 65c.

Livingston's Mammoth Purple Eggplant

Neponset Growing Pots

These Black Pots provide economy, ease and convenience for the full growing period of young plants without retarding the root growth—in fact, the waterproofing treatment of these pots seems to encourage healthy growth.

Size	Postpaid with your seed order 25	50	100	Wgt. per 1,000	Not Postpd. 1,000
2¼-in.	$0.35	$0.60	$0.90	16 lbs.	$4.80
2½-in.	.40	.65	1.00	22 lbs.	5.35
3 -in.	.50	.80	1.25	28 lbs.	6.50
3½-in.	.55	.85	1.50	39 lbs.	8.55
4 -in.	.60	1.00	1.75	52 lbs.	10.00

Large Green Curled Endive

Garlic Sets

Garlic Sets or Bulbs are planted in early spring in rows 1 foot apart, placing the sets 4 inches apart in the rows, 2 inches deep, or in the same manner as multiplier onions. Garlic is used for flavoring purposes. Bulbs, oz. 5 cts.; ¼lb. 10 cts.; lb. 25 cts.; 5 lbs. $1.

We have introduced more than 30 varieties of Tomatoes since 1870.

Eierpflanze **Eggplant** *Berenjena*

Culture.—Sow seed in hotbed or window box in late March. Temperature should be about 75 degrees. When large enough to handle transplant to other boxes; keep covered and warm, and occasionally water. Harden plants by gradual exposure to sun and air. Transplant outside in late May or June, into warm, rich soil, 2 to 3 feet apart each way. When about a foot high draw earth up to the stem.

One ounce of seed produces about 1,500 plants

Livingston's Mammoth Purple. This is a splendid strain of New York Improved Large Purple. It is quite early, a sure cropper, and entirely spineless. The plants are large, vigorous, and very productive. Fruit is uniform in color and shape, very large—usually 6 to 8 inches in diameter, sometimes larger; skin a handsome dark purple, smooth and glossy; flesh white, of superior quality. 130 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

Black Beauty. Earlier than the purple varieties. Fruit rich, lustrous, purplish black color. It is a distinct sort and a favorite where known. The plants are remarkably healthy in their growth and yield an abundance of large fruits that are very attractive and of the best quality. This variety is entirely spineless. 120 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

NEW YORK IMPROVED LARGE PURPLE. A leading variety. Fruit very large, oval, smooth, deep purple; flesh white and of good quality. Similar to Livingston's Mammoth. 130 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.10; lb. $3.75.

FLORIDA HIGH BUSH. A large-fruited purple sort. The fruit is held well up off the ground, preventing rot, hence its name. Popular in the South. The plant is vigorous, productive, drought-resisting, and stands wet weather well. 130 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

Endivien-Salat **Endive** *Endibia o Escarola*

Culture.—For an early crop, sow in April in rows 15 inches apart, cover ½ inch, and later thin the plants to stand 1 foot apart in the row. The main sowings are made in June and July. When nearly full grown, gather up the leaves and tie them by their tips to blanch the heart.

One ounce of seed will sow 150 feet of drill

Large Green Curled. A hardy, vigorous-growing variety with bright, deep green leaves. The dense mass of deeply divided leaves formed in the center blanches very readily to rich creamy white. Pkt. 10cts.; oz. 15 cts.; ¼lb. 35cts.; lb. $1.25.

FINE GREEN CURLED. A hardy variety with deep green leaves, beautifully cut and curled, easily blanched. Pkt. 5c; oz. 10c.; ¼lb. 30c; lb. $1.

BROAD-LEAVED BATAVIAN. The broad, thick, slightly wrinkled leaves form very large heads, which are much used in soups. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.10.

Florence Fennel

One ounce of seed will sow 75 feet of row

A bulb-like vegetable, formed above the ground at the base of the leaf-stalk. Sow early in spring in rows 2 feet apart, covering seed ½ inch; thin to 12 inches apart. Earth up like Celery for a white, crisp, palatable vegetable. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

Blätterkohl Kale or Borecole *Breton*

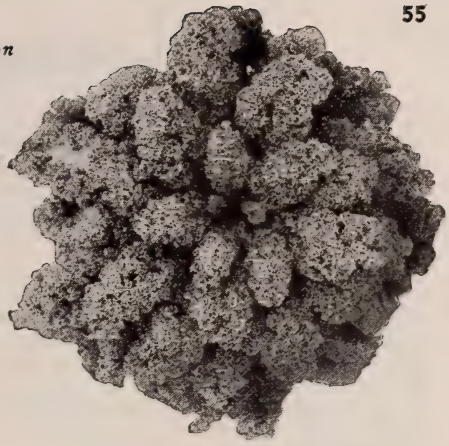
Culture—Kale, or "German Greens," does not form heads, but it furnishes an abundance of pretty curled leaves that are highly prized as food. Sow thinly from the middle of April to the beginning of May; thin or transplant and cultivate like cabbage. Will endure considerable frost without injury.

One ounce of seed sows 200 feet of drill; 1 to 2 pounds sow an acre

Dwarf Green Curled Scotch. Dwarf and spreading. The leaves are beautifully curled and of a bright green color. Hardy. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Tall Green Curled Scotch. Very similar to the above in color, being a beautiful light green. The plant grows about 3 feet high, is very ornamental and makes excellent greens. Very hardy. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

Siberian. Dwarf growth; bluish green leaves. Sow in September, in rows a foot apart, and cultivate the same as spinach. Very hardy and makes excellent spring greens. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.



Dwarf Green Curled Scotch Kale

Kohlrabi Kohlrabi *Col rabano o Nabicol*

(Turnip-rooted Cabbage)

Culture—The turnip-shaped bulb formed above the ground is the edible part. The flavor seems to combine that of cabbage and turnip. When young and tender they are fine for table use; when matured they keep splendidly and are excellent for feeding stock. Sow in rows 18 inches apart, cover ½ inch, and thin to 6 inches apart in the row.

One ounce of seed sows 300 feet of row

EARLY WHITE SHORT-LEAVED. An extremely early sort, with very small tops, thus allowing close planting; flesh white. Fine for forcing. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Early White Vienna. Greenish white outside, with clear white flesh within. Fine in quality. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

EARLY PURPLE VIENNA. Same as above, except in the outside color. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

White Vienna Kohlrabi

Herbs

Sweet, Pot, Culinary, and Medicinal

Culture—Herbs delight in a rich, mellow soil. Sow in early spring in shallow drills 1 foot apart; cover lightly with fine soil, and when up a few inches thin out, or transplant into prepared beds. Care should be taken to harvest properly. Do this on a dry day, just before they come into full blossom; dry quickly in the shade, pack closely in dry bottles or dry boxes to exclude the air. Varieties in this list marked with an * require two years to mature.

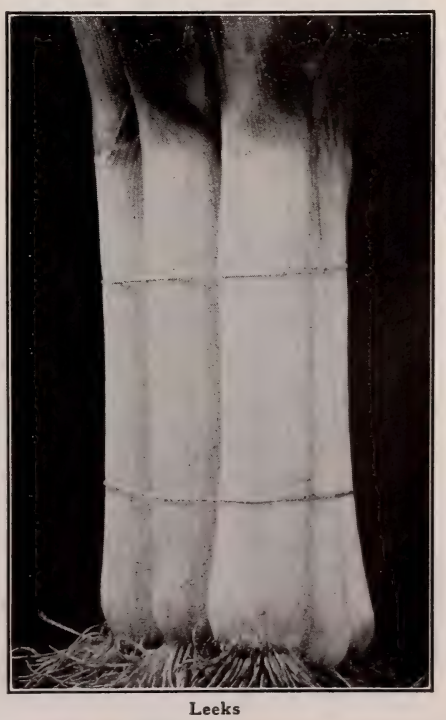
	Pkt.	Oz.		Pkt.	Oz.
Anise	$0.05	$0.10	*Lavender, Sweet	$0.10	$0.15
*Balm	.05	.35	*Peppermint	.10	
*Caraway	.05	.10	*Rosemary	.10	.35
*Catnip	.10	.75	Sage, Bd.-leaved	.10	.25
*Coriander	.05	.10	Summer Savory	.10	.15
Dill, Common	.05	.10	Sweet Basil	.10	.15
Dill, Mammoth	.05	.10	Sweet Marjoram	.10	.15
*Fennel, Sweet	.05	.15	*Thyme	.10	.30
*Horehound	.10	.25	*Wormwood	.10	.30

Porree oder Lauch Leeks *Puerro*

Cultivate the same as onions

One ounce of seed will sow 100 feet of row

BROAD SCOTCH or LONDON FLAG. A hardy kind; large, strong plants with broad leaves. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.



Leeks

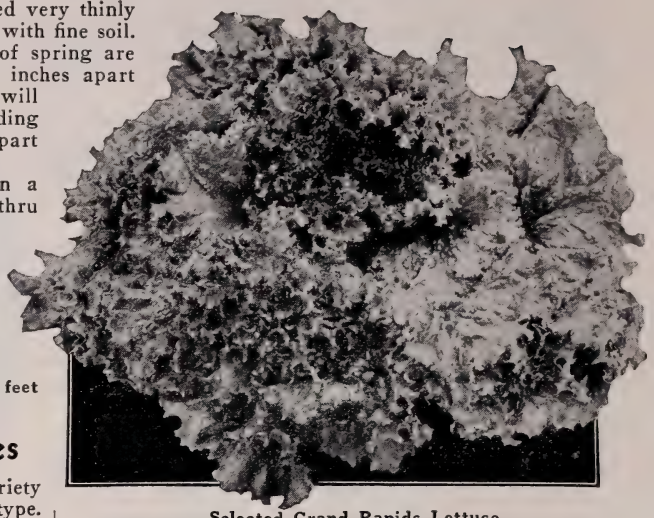
A. G. Kelley, Chester County, Penna., writes, April 7, 1932: *"I have been growing your seeds for several years and find them as good as money can buy; always true to name and sure to grow."*

Livingston's Lettuce

Culture—To grow Lettuce outside, sow the seed very thinly in rows 1½ feet apart, covering seed ¼ inch deep with fine soil. This can be done as soon as the cold wet days of spring are past. With loose leaf varieties, thin to about 2 inches apart when a few leaves have formed and normal use will further thin the row as plants develop. Heading varieties should be thinned to stand 12 inches apart in the row.

For fine Lettuce in early spring, sow seed in a seedbed in September or October and protect thru winter in a coldframe. It can also be sown in a hotbed or in a house box in early spring; covered with damp blotting paper and kept moist until germination. Gradually expose young plants to the light and set out when soil is dry and moist. Cultivate to keep down weeds and conserve moisture.

One ounce of seed sows 100 square feet; plants 120 feet of row; produces 3,000 plants.



Selected Grand Rapids Lettuce

Leaf or Loose Headed Varieties

Arlington Fancy Curled. A beautiful variety of the curly-leaf type. It resembles the best stocks of the Grand Rapids, but it is more beautifully curled. It is very true to type, of excellent quality, and for garnishing nothing in the Lettuce line excels it. Everyone should grow some of it, as it is one of those really good things that became popular favorites with the general public. It has a slight tendency to head, which makes it very crisp. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Black-Seeded Simpson. Very popular among market gardeners, and fine for the home table. Forms a large, loose head of nearly white, curly leaves that are large, thin, very tender, and of good quality. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

EARLY CURLED SIMPSON. Forms a compact mass of curly leaves of light yellowish green, very tender. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

VEGETABLE and FLOWER COLLECTIONS

Throughout this book we offer you attractive vegetable and flower money-saving collections. Why not take advantage of them and get more for your money.

Selected Grand Rapids. **Especially adapted for greenhouse culture; also good to sow outside early in the spring. Our stock of this variety is extra fine as we pay more for it, and have it selected.** It does not form a head, but makes large, compact bunches of light, attractively curled and fringed leaves. It grows very rapidly and keeps in good market condition for a long time after cutting. Should be sown more shallow than the other sorts, otherwise it may not germinate. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

OHIO GRAND RAPIDS. It is a dark-leaved Grand Rapids, and a quick grower. Especially adapted to midwinter crops in greenhouse. Very hardy. Not advised for home-gardens. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

PRIZE HEAD. Heads are large, light green tinged with brownish red, and of superb flavor. Even the outer leaves are crisp and tender. Extremely hardy. Very fine for home use but too tender to ship any great distance. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

White Boston Lettuce

Heading Varieties

Maturities given are from transplanting date.

Livingston's Crisp-as-Ice. **Introduced by us in 1895. A most beautiful, attractive Lettuce of the cabbage type.** The heads are solid, of immense size, and so exceedingly crisp, tender and brittle as to fully warrant the name, **"Crisp-as-Ice."** The glossy leaves are thick, nicely crimped and curled; the outside leaves are beautifully variegated with dark brown, bronze and green. The heads when cut open, have a rich, creamy yellow heart. A superior **family and home-market Lettuce,** and so hardy as to withstand frost very late in the season. 50 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

White Boston. Forms a fine, large, solid, buttery head similar to Big Boston, but does not have brown edges on the outer leaves. The leaves are smooth and straight on the edges. The head has a light green color and blanches to a creamy yellow. Considered one of the best heading vareties and you will be more than pleased if you try it. 50 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Heading Varieties Lettuce--Continued

Wonderful Lettuce

Wonderful (New York). A truly wonderful heading variety. It is peculiar in having a dark green leaf when growing, but the head blanches to a light green with a center of creamy white. Heart is solid, sweet, tender, and crisp. This variety frequently weighs 2 to 3 pounds and has been known to grow to 6 pounds. Should be planted to avoid hot seasons for heading. 60 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.

New York No. 12. A new strain of New York. The heads are almost perfectly round; solid and crisp; grows to a large size. This variety prefers cool weather and well fertilized soil. It matures earlier than the original and is therefore becoming popular as a shipping sort. 60 days. Pkt. 10c; ½oz. 15c; oz. 25c; ¼lb. 70c; lb. $2.25.

All-Heart. It is a very reliable, hard-heading variety of Cabbage-Lettuce and will give satisfaction wherever grown. It rarely fails to make a large, solid head. Withstands heat; leaves are closely set, having a solid heart, even before it is fully grown. Color yellowish green; flavor rich and buttery. 56 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

See These Garden Accessories

Garden Gloves, page 8. Garden Magazine, page 22. Hand Sprayers, page 23. Insecticides, pages 28, 29 and 65. The Jector, page 37. Bean Pod Opener, page 44. Seed Sower, page 45. Corn Slitter, page 51. Growing Pots, page 54. Rat Exterminator, page 65.

Selected Big Boston. **(White - seeded.) This selected Lettuce is a very desirable large variety for forcing in coldframes and for outdoor planting.** Plants large, hardy, vigorous. Leaves broad, smooth, thin, of a light green color. It forms good-sized heads and does particularly well during the cool fall and spring months. Superior quality. 50 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

MAY KING. An early variety of head lettuce. Grows quickly, producing fine, medium-sized heads, even in poor soil. It is not easily affected by cold or wet weather. 45 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

IMPROVED HANSON. None more reliable for outdoor cultivation. Heads grow to large size, and are very slow to run to seed. Outer leaves are bright green and beautifully frilled on the edges; inner leaves white, sweet, tender, and crisp. It stands summer heat the best. 48 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

TRIANON COS (Romaine). The long, narrow leaves, which form solid heads, blanch and become snowy white. Excels in quality and crispness. Can be eaten same as celery. 55 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

Unrivaled. Heads of this variety are large, solid, and of a beautiful light green color, shading to creamy white at the center. The quality is fine, having a rich buttery flavor. Similar to Big Boston, but it does not have the red tinge of that sort. 50 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

ICEBERG. Beautiful large, curly leaves of light green, with a slight red tinge at the edges. Heads solid, crisp, tender, and of fine flavor. Do not confuse with Wonderful; they are entirely different. 50 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

LIVINGSTON'S LETTUCE MIXTURE. One sowing produces salad for the season. Contains a grand assortment of decidedly distinct and excellent Lettuces. Liberal pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.

Prize Lettuce for Poultry

CHICKEN LETTUCE. A genuine Lettuce which yields as much chicken-feed as any "greens" plant. It does not make a head, but has stalk 3 to 4 feet high, loaded with leaves. When cut it starts to grow again. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

SPECIAL LETTUCE COLLECTION

Two Leaf Varieties

BLACK SEEDED SIMPSON
PRIZE HEAD

One Heading Variety

LIVINGSTON'S CRISP-AS-ICE

1 pkt. ea. (value 30c) 25c
1 oz. ea. (value 50c) 40c

Excelsior Weeder

Very useful for weeding seed - beds, stirring soil in hot-beds, cold-frames, etc.
25c postpaid

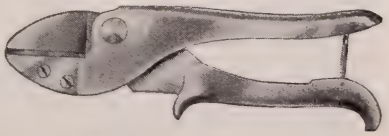
Hazeltine Weeder

In general use by all gardeners

Blade solid steel, tempered, ⅞ inch wide and ⅛ inch thick, sharpened on all edges.

35c Postpaid

PRUNING SHEAR No. 100



Here is a new and improved Shear, the best we have ever seen at the price. Highly nickeled and polished, rust resistant, compact and durable. Alloy steel cutting blade, duro aluminum blade stop which protects knife edge. 10 inches long. Shipping wgt. 1 lb.

Price $1.50 Postpaid

HAVE A CONTINUOUS SUPPLY OF LETTUCE ALL SEASON

Livingston's Sweet and

Culture.—A rich, sandy soil and good seed are absolutely necessary for success in raising the best Muskmelons. The seed should not be planted until the ground has become dry and warm; plant in hills 6 feet apart each way; old, well-rotted manure should be thoroughly mixed with the soil in each hill and in liberal quantity. Put six to ten seeds in the hill and when danger from insects is past, leave three or four of the strongest plants only. Muskmelons or Cantaloupes may also be sown in rows that are made about 6 feet apart, and when the plants are well up thinned to stand in hills 5 to 6 feet apart, just before the plants begin to run. This method requires more seed but insures a good stand of plants in spite of the bugs. Cover seed 1 inch. Cultivate often and not deep. **One oz. will plant 60 hills; 2 to 3 lbs. will plant an acre**

Green Fleshed Varieties

Livingston's Ohio Sugar Muskmelon

Livingston's Ohio Sugar. Absolutely distinct and very superior melon, the result of years of most careful and painstaking selection and breeding. One of the sweetest and most luscious green-fleshed Cantaloupes now on the market. It is the rarest exception that an under-quality melon is found. Of that desirable size in demand in all markets, round, inclined to oval in shape, heavy in proportion to size because the flesh is deep. Distinctly ribbed and well netted—color of skin gray-green. The firm flesh is an attractive green of exquisite texture, sugary, juicy, tender, and free from stringiness; seed cavity is small. Uniform shape. A market and home-garden melon. 80 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50; 5 lbs. $7.25.

Delicious Gold-Lined Rocky Ford. A fine variety. The shape is slightly oval, heavily netted. Flesh thick, fine-grained, and sweet; color green with a gold margin next to the seed cavity. Attractive both as to outward appearance and when cut. 75 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Extra-Early Knight. (Sweet Air.) A very early, medium-sized melon. Fruit oblong; skin deep green, turning to golden at maturity, well covered with a close gray netting and distinctly ribbed; flesh fairly thick and very sweet; color medium green blending to light pink. 70 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Honey Ball. As round as a ball. Thick skin, cream colored and smooth, sweet green flesh and small seed cavity. It is a prolific and long keeping variety. 95 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25; 5 lbs. $6.

Honey Dew. Green fleshed. Sweet as honey. Averages about 6 inches in diameter and weighs five to six pounds. The skin is smooth with little netting, flesh green, very thick and fine-grained. 100 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50; 5 lbs. $7.25.

Rocky Ford. A netted Gem melon with sweet, green flesh of high quality. Fruit small, almost round, smooth, slightly ribbed, densely covered with netting. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 90 cts.; 5 lbs. $4.25.

Cane Stakes

Dyed green, 18-in., 40 cts. for 50; 75 cts. per 100; $2 per 1,000; 3-ft., 80 cts. for 50; $1.50 per 100; $4 per 1,000; 4-ft., $1.25 for 50; $2.25 per 100; $6 per 1,000, **not postpaid.**

Raffia

Best Grade. Fine for tying up all plants. Lb. 40 cts.; 10 lbs. at 35 cts. per lb.; 25 lbs. at 30 cts. per lb.; 100 lbs. at 28 cts. per lb., **not postpaid.**

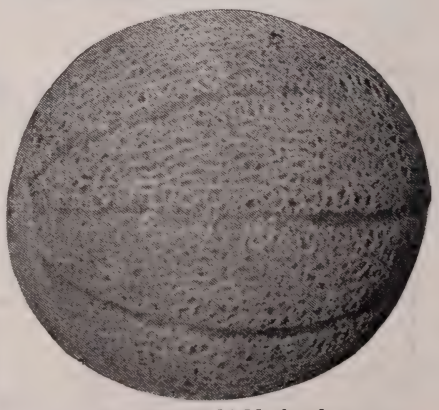
Salmon Fleshed Varieties

Emerald Gem. Ripens early. Medium-sized, nearly round melon, with delicate light salmon flesh, very thick, fine-grained, and of superb flavor. The rind is thin, dark green ribbed, slightly netted. One of the best for home use. 75 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Honey Dew. Salmon fleshed. Same as above green fleshed. 100 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50.

Hearts of Gold. The original name of this melon was Hoo-doo, but Hearts of Gold is much better. Vine vigorous, blight-resisting, and very productive. The fruits vary slightly in shape, averaging nearly round. The netting is very dense and fine over the entire surface. Rind, although thin, is very firm, hence it is one of the best shipping sorts. Flesh salmon, very thick, highly colored, of finest texture, and delicious flavor. 73 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

We ship all seed quoted in this Catalog, transportation paid by us anywhere in the United States. Easier for both of us and a saving to you.



Hearts of Gold Muskmelon

Special Muskmelon Collection

LIVINGSTON'S OHIO SUGAR. HEARTS OF GOLD. BANANA
1 pkt. each (value 30c) 25c. 1 oz. each (value 45c) 35c

Delicious Muskmelons

Melon Almizcleno o Cantain

Salmon Fleshed Varieties--Continued

Livingston's Tip-Top.

Tip-Top in quality, appearance, and productiveness. *Introduced by us in 1892.* This splendid melon has "held its own" for many years against all introductions in the melon line, and no yellow-fleshed melon of which we have any knowledge compares with it in good qualities. The testimony of all who have used **Tip-Top** is that every melon produced, whether big or little, early or late, is a good one — sweet, juicy, finest flavor, firm fleshed and eatable to the outside coating. Its appearance on the market is very attractive—sells on sight. Customers soon learn to pick them out and will have no other variety. Fruit of large size, and flesh bright salmon in color; slightly oblong, evenly ribbed, moderately netted, very productive. 80 days. Originator's Strain, pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50; 5 lbs. $7.25.

Livingston's Tip-Top Muskmelons

Bender's Surprise. A very popular variety in the East, particularly in northern New York. Skin light greenish yellow when ripe. A very delicious, large, salmon-fleshed melon with superior shipping and keeping qualities. 80 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Osage. Large, oval, slightly ribbed and netted; skin very dark green; flesh very thick and sweet, delicious to the rind. Crop very even and fruit extra heavy. A favorite main-crop variety for market purposes or home-garden. 78 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25; 5 lbs. $6.

Extra-Early Osage. A week to ten days earlier than the old-type Osage, and nearly as large. Flesh very thick, salmon-colored, and of high quality. 75 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Hale's Best. A slightly oval variety averaging about 7½ inches long. Very thick and fine-flavored salmon flesh. It is heavily netted with little trace of ribs, making it a good shipper. 75 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25; 5 lbs. $6.

Lake Champlain. An exceedingly early salmon-fleshed melon of medium size and good quality. It is not entirely true as to type, but on account of its extreme earliness and quality we recommend its use for home and near-by markets. 68 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.25.

Edward's Perfecto. Said to be superior to Pollock's No. 10-25. Fruit very uniform in size, nearly round, and densely covered with a hard gray netting. Flesh very thick and of a beautiful salmon color, shading into green as it nears the rind and very sweet. 75 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Greeley Wonder. 4 to 5 pounds, nearly round, heavy netting, late sort. 80 days. Pkt. 10c; oz. 15c; ¼lb. 35c; lb. $1.15.

BANANA. Very odd; 18 to 21 inches long. Yellow flesh, blending from bright green to rich salmon. Early. 85 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50.

BURRELL'S GEM. A superior orange-fleshed shipping melon. It is of splendid flavor, sweet and aromatic, oblong, averaging 6 by 4 inches, with smoothly rounded ends and closely netted and slightly ribbed dark green skin. The rind is thin; flesh deep rich salmon. 75 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Pollock's No. 10-25. Fine keeping and shipping qualities. Flesh salmon at center, shading to light green at the rind; thick flesh and very sweet. 75 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Honey Rock. An early, almost round variety, measuring about 6 inches. Has a very coarse, heavy netting. The flesh is salmon, very thick and fine flavored. The rind is light gray, turning to cream as maturity approaches. 78 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50; 5 lbs. $7.25.

Honey Rock Muskmelon

J. L. Sprause, Miami County, Ohio, writes, 4-11-32: *"I ordered seed from you last year and am well satisfied with everything. I find your Tip Top Melons and your Barden's Wonder Bantam Corn just what you describe them and can recommend them to any one to be true to name."*

LIVINGSTON'S TIP-TOP MUSKMELON TOPS THEM ALL

Imp. Kleckley's Sweets Watermelon

Culture—A light, sandy soil, with good exposure to the sun, is the best situation for Watermelons. The ground should be prepared deeply, but receive shallow cultivation. Hoe often and very thoroughly about the hills. If extra-large Watermelons are desired for exhibition purposes, leave but one or two on a single vine. Plant 1 inch deep in hills 8 to 10 feet apart each way, with a very generous shovelful of well-rotted manure mixed with the soil in each hill. If commercial fertilizer is used, it should contain a large percentage of ammonia and potash. Plant eight to ten seeds in each hill, and finally, when danger from insects is past, thin out to three strong plants. **Watermelon seeds being large, an ounce is about right for small gardens.**

One ounce of seed will plant 20 to 30 hills; 4 to 5 lbs. will plant an acre

Improved Kleckley's Sweets Watermelon. An improved strain of Kleckley's Sweets, being more full at either end. It is large, heavy, oblong and has an even dark green skin and rather thin rind. Averages 18 to 20 inches in length and 10 to 12 inches in diameter. Flesh is bright scarlet, with solid heart deliciously crisp and sugary. One of the most desirable varieties for home garden or local market growing. White seeded, 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.50; 10 lbs. $6.50.

Halbert Honey. A very sweet, long, dark, green variety. Fruits average 18 to 20 inches long, have a thin rind and deep red meat of delicious flavor; pulp entirely free from stringiness. One of the finest for the home-garden. White seeded, 85 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c; 5 lbs. $2.75.

Fordhook Early. The earliest and best melon of good size. Next to Cole's Early in time of ripening, but much larger. Fruit round; skin dark green; flesh is bright red, of fine quality. Dark brown seeded, 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

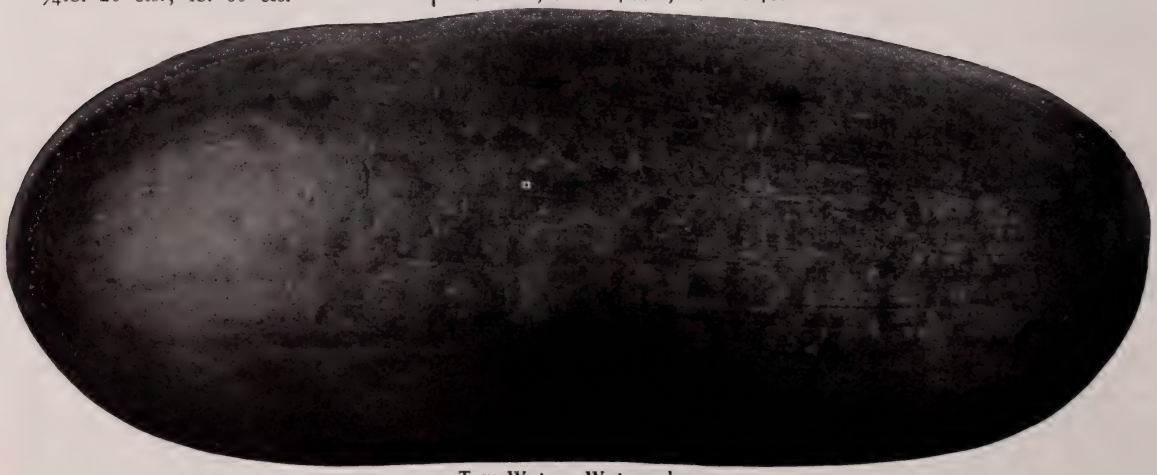
COLE'S EARLY. Very hardy. A sure cropper for Northern States. Its dark red flesh is delicate in texture; rind green, striped with lighter shades, thin and brittle; of medium size and nearly round. Matures early. Especially good for home use. Dark brown seeded. 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

Ice Cream. **True White-seeded.** The great kitchen-garden and home-market Watermelon. Few varieties, if any, surpass it for quality and productiveness. Of good size; medium early; fruit oblong; rind light mottled green. The bright red flesh is solid to the center. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

Tom Watson. **Greatest of all shippers.** An extra-long melon of attractive appearance, uniform in shape and quality. The average melon will weigh 35 to 40 pounds and measure about 24 inches long and about 10 inches in diameter. Its luscious crimson flesh is sweet, melting, and of superb flavor. Very prolific. Rind thin but tough, hence popular for shipping. Brown seeded, mottled white, 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75; 10 lbs. $5.

HARRIS' EARLIEST. One of the earliest good Watermelons. Large, oval sort, with mottled skin. Dark brown seeded, 75 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

PRESERVING CITRON. **Red-seeded.** Most desirable for preserves. Flesh white and very solid. Red seeded, 100 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.



Tom Watson Watermelon

Watermelons *Sandias*

Irish Gray. This melon has already become popular. The vine is very vigorous and holds up well. Its melons are similar in shape and size to Tom Watson. The rind is beautiful greenish gray, very attractive, thin but very tough, hence a good shipper; flesh red and free from stringiness. Well adapted for either market or home use. White seeded, 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

THURMOND GRAY. A large, long melon which comes into bearing at the same time as Tom Watson. It has beautiful gray-green skin—very attractive. The flesh is a rich crimson in color and of delicious flavor. An improvement on Gray Monarch. It will stand shipping remarkably well. White seeded, 85 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

GRAY MONARCH (Long Light Icing). Very large melons, oblong in shape with sweet, crimson flesh and gray skin. White seeded, 80 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c; 5 lbs. $2.75.

Chilian. **(White-seeded.)** Has a great reputation on the Pacific Coast. Fruits medium size, nearly round, or slightly oblong; skin rich, deep green, indistinctly mottled and striped with a lighter shade; flesh bright red, fine grained, and sweet, quality second to none. A good shipping melon. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

SWEETHEART. Splendid for shipping—popular in the South. It is hard to beat as to quality and productiveness. Melons oval, very heavy, very thin rind, but firm. In color it is a light green, slightly veined with a darker shade. The flesh is a bright red, very tender and sweet. Dark brown seeded, 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

FLORIDA FAVORITE. A splendid oblong early melon. Skin dark green, slightly mottled with still deeper shade; flesh dark red and of the finest flavor and quality; seeds white. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

We can supply Phinney's Early, Round Dark Icing, Georgia Rattlesnake, Round Light Icing, Peerless, and Alabama Sweet. Each, pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.; 5 lbs. $2.75.

Stone Mountain Watermelon

Stone Mountain or Dixie Belle. A very large, medium dark green, round melon of excellent quality. Flesh highly colored, very solid, with fewer seeds than most melons. The rind is tough enough to stand handling for shipping. We find this melon somewhat earlier than other large varieties. It is very productive and can be grown farther north than many of the long varieties. It is excellent for home growing. Brown seeded, mottled white, 85 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1; 5 lbs. $4.75; 10 lbs. $9.

LIVINGSTON'S ORANGE. Inner portion resembles an orange, hence its name. Inner core separates from rind when ripened and can be lifted out. Flesh beautiful pink shade, fine quality. Size, medium. 78 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Special prices on Watermelon in 10- to 100-pound lots

John W. Edwards, Seward County, Nebraska, writes, 4-1-32: *"I am one of your old customers, having used your seed since along in the eighties, and always found them good and true to name."*

HAVE AN EARLIER GARDEN THIS YEAR

Germāco

Hotkaps

An individual hothouse for each plant. Makes larger and better crops

A scientifically constructed wax paper cone that you place over each plant. Form miniature hothouses that protect plants from frost, wind, rain, insects, and ground crusting. They not only give you better Vegetables, but are a method of crop insurance.

INSTRUCTIVE PAMPHLET FREE

Prices: 1,000 lots, $9.75; 5,000 lots at $9.60 per 1,000; 10,000 lots at $9.50. Trial package of 250, including special-type Garden Setter, $3.50. Standard Germaco HOTKAP Setter, $2.25. All prepaid.

If you need HOTKAPS for your back-yard garden, note these prices: 100, with Garden Setter, $2.25; Garden Setter alone, 50 cts. **All prepaid.**

Mushroom Spawn

Mushrooms may be grown in a shed, cellar, cave or under the benches in greenhouses; in fact, in any place where conditions of temperature and moisture are favorable or can be controlled. We receive fresh Spawn several times a year from the best American growers.

American Pure-Culture Spawn. Produced from original spore cultures under the new French process, which permits the indefinite reproduction of selected varieties without dilution of the strain, and free of any trace of the parasitic diseases of the Mushroom.

BRICK SPAWN. Spawns 10 square foot bed. Brick 40c; 5 bricks $1.50; 25 bricks $6.75 Ppd.

BOTTLE SPAWN. Will spawn 40 square foot bed. Bottle $1; 5 bottles $4.50, postpaid.

CULTURAL LEAFLET WILL BE SUPPLIED TO CUSTOMERS

Fordhook Fancy Mustard

Senf Mustard *Mostaza*

Culture.—The leaves are used as a salad or may be boiled like spinach. Sow seed very shallow in any good garden soil early in the spring, in rows 1½ to 2 feet apart, and when well up thin out the plants so as to stand 8 to 10 inches apart. Several sowings a week or so apart give tender leaves throughout the season.

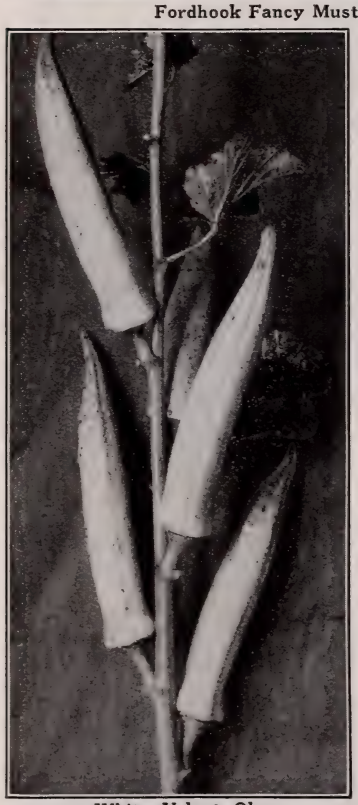
One ounce of seed will sow 100 feet of row

Fordhook Fancy. The vigorous-growing plants have beautiful, dark green, curled leaves. It is most productive from early spring sowings, and stands well, even during the hot summer months. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 75c.

CHINESE. A giant curled variety with leaves of large size. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 55 cts.

WHITE ENGLISH. Leaves are light green, mild, and tender. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

Southern Giant Curled. Is highly esteemed in South. Large bunches of tender green leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 65 cts.



White Velvet Okra

Okra or Gumbo

Culture.—Very wholesome. The pods, when young, make fine soup and are also used in mixed vegetable soups. Plant seed after the ground is warm and dry, in drills 3 feet apart, covering ½ inch and thinning plants to 1 foot apart. Make early and late sowing to secure a supply throughout the season.

One ounce of seed will sow 40 feet of drill

Dwarf Long-Pod. Grows only 3 feet high and begins setting its deep green, long, tender pods very early, close to the ground, and very abundantly. Continues to bear late in the season. Adapted to small gardens. 45 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

White Velvet. The large pods are perfectly round, smooth, and attractive velvety white, of superior flavor and tenderness. Plant dwarf, of compact branching growth and very prolific. 51 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Perkin's Mammoth. Very attractive dwarf plant. Produces beautiful, long, slender, deep green pods, which remain tender a long time. An extra-good variety. 60 days. Pkt 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

Pastinake Parsnips *Chiriva*

Culture. — Sow seed in early spring in drills 15 inches apart and ½ inch deep in well dug rich soil. Keep crust from forming and cultivate often. Thin to stand 4 inches apart. Roots improve by being left in ground until next spring.

One ounce of seed to 200 feet of drill; 5 to 6 pounds for an acre

HOLLOW CROWN (Large Sugar). Roots are white, smooth and of excellent flavor. 12 to 15 inches long by 3 inches through at top with hollow crown. 100 days. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 70c.

Peanut

Rhabarber Rhubarb or Pie Plant *Ruibarbo*

Culture.—Requires a deeply cultivated and thoroughly manured soil. Sow the seed 1 inch deep early in the spring, in rows 1 foot apart. The second autumn after planting, plants can be replanted 2 feet apart to the permanent place in the garden allotted to them.

One ounce of seed will produce 500 plants

VICTORIA. Most generally used variety. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Peanuts

Culture.—Peanuts require rich, sandy soil. Plant 2 to 3 inches deep, with the hulls on, in rows about 3 feet apart, and about 10 inches apart in the rows. When ripe dig up the vines and hang up to dry.

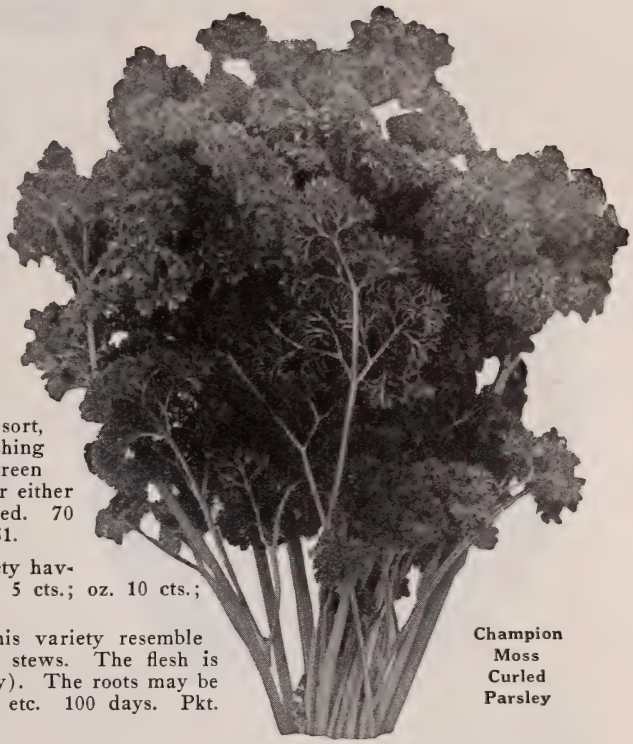
IMPROVED LARGE VIRGINIA (Jumbo). It has the largest pods and more kernels with fewer imperfect pods than any other. Stands erect, easily cultivated. Vines make valuable forage for stock. Pkt. 10 cts.; ¼lb. 15 cts.; lb. 35 cts.; 3 lbs. $1; 5 lbs. $1.50; 10 lbs. $2.50.

SWEET SPANISH. The earliest variety grown. Pods are small, well filled, and of fine quality. Pkt. 10 cts.; ¼lb. 15 cts.; 1 lb. 35 cts.; 3 lbs. $1; 5 lbs. $1.50; 10 lbs. $2.50.

Petersilie **Parsley** *Perejil*

Culture—As the seeds germinate very slowly, three to four weeks sometimes elapse before the plants make their appearance. Seed should be sown early in the spring in rows 1 foot apart, covering ½ inch. Thin to 4 inches apart. Parsley is used for seasoning soups and stews, for salads, and is also very universally used for garnishing. It makes an ornamental border in the flower-garden. Succeeds best in a rich, mellow soil. Take up a few plants in the fall and put into 6 or 7-inch pots. Keep well watered and they will produce an abundance of leaves all winter, besides making very ornamental plants.

One ounce of seed will sow about 150 ft. of drill



Champion Moss Curled Parsley

Champion Moss Curled. A vigorous, compact sort, very fine for garnishing and flavoring. Owing to its uniformly deep green color and attractive foliage, it is one of the best for either market or home use. Densely crimped and curled. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

FINE DOUBLE CURLED. A standard dwarf variety having deeply cut and curled leaves. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

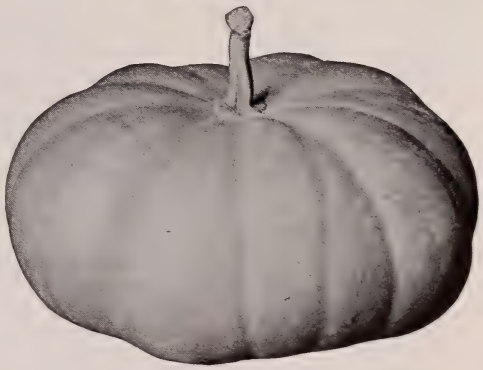
Hamburg. (ROOTED). The fleshy roots of this variety resemble parsnips, and are used in soups and stews. The flesh is white and sometimes similar to celeriac (root celery). The roots may be dug and carried through the winter like turnips, etc. 100 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Exquisite. The Finest Strain of Curled Parsley. Very ornamental leaf when used for garnishing. Has very elegant and closely curled leaves of beautiful dark green, while the flavor is all that could be desired. 80 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

Speise-Kürbis **Pumpkin** *Calabazas*

Culture—Pumpkins are not so particular in regard to soil as melons or cucumbers, but in other respects are cultivated in a similar manner. Sow in the month of May, when you plant your corn. Make hills the same as you do for squashes, but about 8 to 10 feet apart each way. Place about 8 seeds in a hill, cover 1 inch, and thin to 3 to 4 vines. It is preferable to grow Pumpkins in the field, and not in the garden, as they mix with the squashes and other vines. You can sow some among the late corn, putting in a few seeds, say every third or fourth hill. This will give you plenty for the table, and your stock the coming winter.

One ounce of seed will plant 15 hills; 3 to 4 pounds will plant an acre



Large Sweet Pumpkin
Fine for home garden use

"TRUE BLUE" SEED
None Better

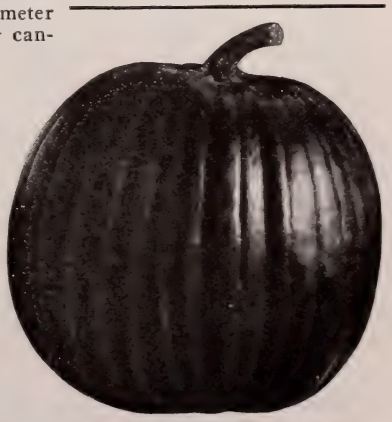
Large Sweet. (Kentucky Field). A large, round, flattened Pumpkin that is hardy and productive. It grows 1 to 2 feet in diameter and has thick orange flesh of extra-fine quality. A splendid sort for canning, family, and market use. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

Common Yellow Field. (Yankee Cow; Conn. Field). The common variety cultivated by farmers for stock-feeding, and is used to some extent for canning. Very productive. Same color as Small Sugar but not so sweet. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

WINTER LUXURY. Excellent for pies. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

MAMMOTH POTIRON. A really enormous variety (specimens often grow 2 feet in diameter and sometimes **weigh 150 lbs.**) with depressed ends and slightly ribbed salmon-color skin; flesh bright yellow. Great exhibition sort. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

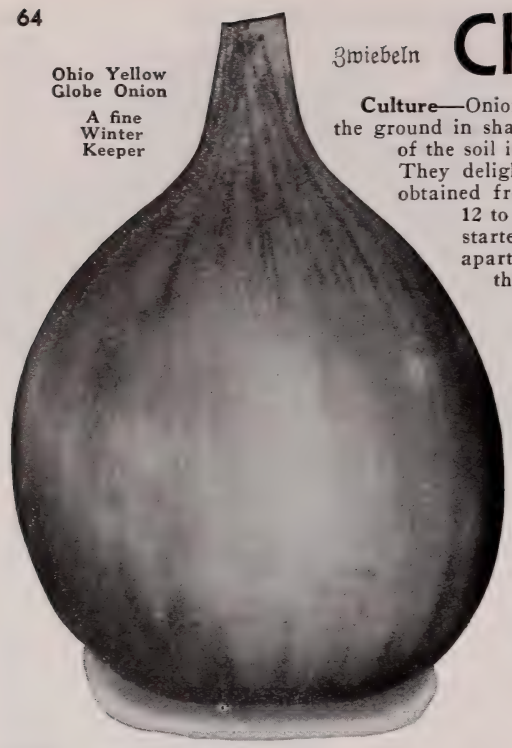
Small Sweet. (Sugar). This is the small, sweet Pumpkin that has made the New England States famous for their Pumpkin pies. The flesh is very fine grained, most deliciously sweet-flavored, and a splendid keeper. It averages about 10 inches in diameter and is of deep orange-yellow color. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.



Small Sweet or Sugar Pumpkin
Fine for making pies

Ohio Yellow Globe Onion

A fine Winter Keeper



Zwiebeln Choice Onion Seeds

Culture—Onion seed should be sown as early in the spring as possible to get the ground in shape, even though the weather is cold. Thorough preparation of the soil is one of the most essential points in successful Onion-growing. They delight in a rich, deep, sandy loam, but excellent yields can be obtained from heavier soils properly fertilized. Sow the seed in rows 12 to 14 inches apart and about ½ inch deep. After they are well started, or about 3 to 4 inches high, thin out to stand about 2 inches apart, keeping them well hoed and free from weeds at all times throughout the season.

Cultural leaflet free to customers

For Large Onions—1 ounce to a 100 foot row, 4 lbs. to an acre
For Onion Sets—6 ounces to a 100 foot row, 30 lbs. to an acre

Yellow Varieties

Ebenezer. **(JAPANESE).** This is the mildest yellow Onion in our list. The Onions are large (often 4 inches in diameter), somewhat flattened, have attractive yellow skin and firm white flesh of delicate flavor; very small top and ripens quite early for so large a variety. One of the best for sets as they keep almost indefinitely. 100 days. Pkt. 5c; ½oz. 10c; oz. 15c; ¼lb. 50c; lb. $1.75.

AILSA CRAIG. Large, mild-flavored, Spanish type. 110 days. Pkt. 10c; ½oz. 15c; oz. 20c; ¼lb. 65c; lb. $2.

YELLOW GLOBE DANVERS. Early and abundant cropper. Large, very thick bulb, flat or slightly convex bottom, full oval top, small neck and rich brownish yellow skin. We consider our Globe Danvers just right for critical growers. 105 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.60.

YELLOW DUTCH or STRASBURG. Used more than any other variety for growing yellow Onion sets, but the Ebenezer and Mountain Danvers should be tried. It is also a good-keeping, half-round sort for home use. We have a superior strain of this popular variety. 100 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

SOUTHPORT YELLOW GLOBE. Produces large, perfectly globe-shaped bulbs. Color of the skin is brownish yellow. Flesh white, fine-grained and crisp. Quite similar to Yellow Globe Danvers, but a little later and of larger size. 110 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Ohio Yellow Globe. This early fine strain is of that extreme type of Globe now so deservedly popular in all large Onion markets. Its main points of excellence are: **Distinct and attractive shape; handsome, bright, even color; necks very small; ripens early, and all at once.** The solid bulbs are **excellent winter keepers,** and all that can be desired in size and quality. This superb Onion is the most popular of the Yellow Globe sorts. 100 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Riverside Sweet Spanish. An improved strain of the Sweet Spanish Onion, superior in flavor, mildness, and keeping qualities. It is a large, well-shaped, brown Onion, weighing one pound or more. Unusually mild, but retains that genuine Onion flavor. Being a good keeper, it ships as well as any other. 110 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.

Riverside Sweet Spanish Onion

Mammoth Yellow Prize-Taker. Can be grown to enormous size and is hardy and a good keeper for one of such mild flavor. It ripens up firm and very fine grained. Skin rich light yellow; flesh white. Heavy yielder. Often grown by the transplanting method. Our seed is American grown. 110 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Mountain Danvers. This variety is semi-round. It is one of the very earliest and seems to ripen practically all the crop at once. Color is a beautiful dark yellow, shading to brown. It is an excellent keeper and shows less shrinkage than any other variety. The skin is thick and heavy, which makes it a good keeping and shipping sort. Grown for us on contract in Colorado, in altitudes which are pecularily adapted to producing Onions of extreme earliness and hardiness. A fine sort to grow for sets on account of its good keeping qualities. 110 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

See pages 4 and 5 for Livingston's Vegetable Specialties.

ONIONS ARE MUCH CHEAPER GROWN FROM SEED

Choice Onion Seeds *Cebollas*

Red Varieties

Southport Red Globe. Most popular of any red Onion, especially in the West. The largest of the Southport Onions, ripening from a week to ten days after the yellows. The bulbs are remarkably uniform in shape, of a rich red color, ripen evenly and yield a large percentage of Onions. Flesh pinkish white. They ripen down hard, keep well, and their beautiful appearance helps to sell them. 110 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

LARGE RED WETHERSFIELD. A standard red variety. Large; skin deep purplish red; form round and flattened; flesh purplish white. One of the best keepers. A great yielder. 105 days. Pkt. 5 cts.; ½oz. 10 cts.; oz. 15 cts.; ¼lb. 50 cts.; lb. $1.60.

Special Onion Collection

SOUTHPORT GLOBES, Red, White and Yellow

1 Pkt. Each (Value 30c) 25c
1 Oz. Each (Value 65c) 50c

Southport White Globe Onion

White Varieties

Indiana Silverskin. This is a fine strain of pure white Onion that produces round, hard Onion sets. Bulbs are flat. One of the best keeping white varieties. 95 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

EXTRA-EARLY WHITE BARLETTA. The very earliest Onion in cultivation. One of the best for pickling. Mild and delicate. 70 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

White Portugal. or Silverskin. Considered by many as the best flat white Onion. It matures early, is of good size and has a mild flavor. When young it is fine for green onions and is much preferred for combination dishes on account of the flavor. As a pickling variety it is much esteemed. It also makes a fine large Onion and is a good keeper. We urge home gardeners to grow White Portugal for all around purposes. 95 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

Southport White Globe. The handsomest Onion grown. Beautiful silvery white, perfectly globe-shaped, uniform in size. Flesh firm, fine grained, solid, and of pleasant flavor. Very small neck. Our stock of this important variety has been giving great satisfaction. 110 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

MAMMOTH SILVER KING. Of attractive shape, with silver-white skin and flesh of most agreeable mild flavor. Matures quite early and is of large size. 85 days. Pkt. 10 cts.; ½oz. 15 cts.; oz. 25 cts.; ¼lb. 70 cts.; lb. $2.25.

WHITE WELSH. Does not form a bulb but is the best sort for bunching. To carry over winter for spring use, seed should be sown in furrows 4 inches deep and filled in as the plants develop. Quality more mild than other perennial sorts. Pkt. 10 cts.; ½oz. 15 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

White Portugal Onion

Choice Onion Sets

For real early green Onions you should buy and set out some Onion Sets. This can be done as soon as the ground is warm and dry.

Lowest market prices on quantities on application. A pound of Sets is equal to about a quart.

WHITE. ½lb. 20 cts.; lb. 35 cts. postpaid.

YELLOW or BROWN. ½lb. 20 cts.; lb. 30 cts. Ppd.

Ask for prices on large quantities of Onion Sets

Hammond's Slug Shot

An old and proven insecticide and fungicide dust. Harmless to both vegetables and flowers but powerfully effective against eating insects and fungus. Combats Mexican Bean Beetles, Potato Bugs, Cabbage Worms, Slugs, Sow Bugs and all other chewing insects.

1 lb. Sifter Top Can 25c.
5 lbs. 75c; 25 lbs. $3.50. Add Postage

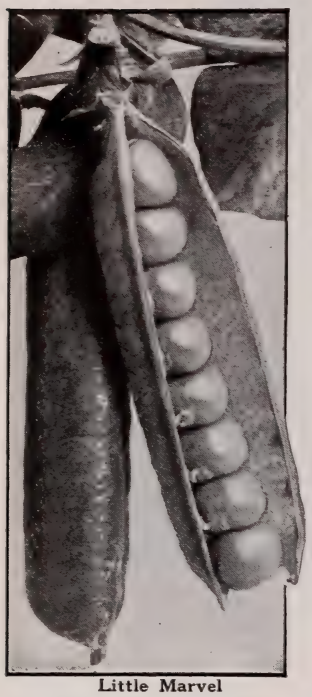
KRO RAT and MOUSE EXTERMINATOR

A squill exterminator, not a poison. Will not kill live stock, dogs, cats or poultry. Can be used any place where these pests are harbored. Mix one quart to sixteen parts of whatever bait you use.

PRICE 75c POSTPAID

FOR SUCCESS, RESIST THE TEMPTATION OF CROWDING PLANTS

Erbsen Livingston's Garden Peas *Chicaros o Guisantes*



Little Marvel

Peas quoted herein will be shipped to any point in the United States by prepaid mail, express, or freight (our option). We pay all transportation and packing charges. See page 1.

Culture.—Peas thrive best in a rich soil and moderate temperature. Smooth seeded varieties are extremely hardy and can be planted quite early about 2 to 3 inches deep. Wrinkled varieties are not so hardy but are of superior quality. They should be planted when the ground is warm and dry and if they are planted quite early they should be covered only 1 inch to prevent rotting in the ground.

For dwarf varieties make the rows 20 to 30 inches apart and for tall varieties make them 30 to 36 inches apart. The seed should be placed 1 to 2 inches apart in the row. In the home garden, double rows, 6 inches apart, with brush or trellis between is ideal for conservation of space. Cultivate often and gather the crop as rapidly as it is fit for use. Successive sowings will provide food over a longer period.

Two pounds sow 100 feet of row; 75 to 100 lbs. sow an acre
2 pounds equals 1 quart, 15 pounds 1 peck, 60 pounds 1 bushel

Early Dwarf Wrinkled Varieties

Little Marvel. This Pea has been rightly named. It is an early wrinkled sort, grows about 12 to 15 inches tall, and bears heavily. There is no earlier wrinkled Pea and the quality satisfies everybody. Adapted to home-gardens. Pods dark green, 3 inches long, round with square end, and often contain seven rich, dark green Peas. Little Marvel outsells Premium Gem, American Wonder, and Nott's Excelsior. Looks like it's the best in its class. 63 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

PREMIUM GEM. Pods are 3 inches long, light green, round, with blunt end having an average of six light green Peas of good quality. Vines 18 inches. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

AMERICAN WONDER. Esteemed for earliness, productiveness, and quality. It grows about 10 inches high, and produces pods about 2½ inches long which are filled with fine-flavored peas. 60 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Nott's Excelsior. Extra-early, dwarf, wrinkled Pea. Foliage medium green and rather heavy. 12 to 15 inches high. Pods 3 inches long, filled with large sweet Peas, and all are ready to pick at once. A great yielder. 59 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.00.

PETER PAN. Produces about 4 inch dark green pods filled with Peas of fine quality. Has vigorous, large, dark foliage and stands about 15 to 18 inches in height. 67 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Pioneer. Vines vigorous, growing 15 to 18 inches high, with dark green pods 3¾ inches long which are filled with light green Peas of delicious flavor. 66 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Laxtonian. This is a 3¾ to 4 inch giant-podded, early dwarf Pea having large, dark green pods and Peas, of finest quality. Vines 22 inches high. Is taking the place of Peter Pan and Pioneer. 67 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.05; 10 lbs. $2; 25 lbs. $4.75.

Blue Bantam. Claimed to be an improvement on the above large-podded dwarf Peas. Grows 15 inches high with fine, dark foliage, pods, and Peas. Pods 4 inches long with eight Peas of fine quality. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1.05; 10 lbs. $2; 25 lbs. $4.75.

Laxton's Progress. Another large-podded variety, about four days earlier than any of them. Grows about 18 inches high. Pods 4 inches long, deep green in color, pointed and containing eight large dark green Peas of delicious, sweet flavor. This variety may displace those above of earlier introduction. 64 days. Try it. Pkt. 10 cts.; ½lb. 20 cts.; lb. 35 cts.; 5 lbs. $1.10; 10 lbs. $2.10; 25 lbs. $5.

Laxton's Progress

ASK FOR PRICES OF PEAS IN LARGER QUANTITIES

INOCULATE THIS SEED WITH NOD-O-GEN

You can have better Peas this season by using this culture. Nod-o-gen Inoculator insures a catch, hastens maturity, increases the crop, and enriches the soil. Peas need nitrogen. Nod-o-gen Inoculator will supply it. Easily applied. See page 40 for more details.

Livingston's Home Collection of the Best Three Peas for the Private Garden

Contains an early, medium and late variety. All superior, sweet, tender and delicious. Will supply you with a succession of Peas over a long period.

NOTT'S EXCELSIOR. TELEPHONE. THOMAS LAXTON.

One packet of each, 25c. ½lb. of each, 50c
1 lb of each, 75c.

MAKE SUCCESSIVE SOWINGS OF PEAS TWO WEEKS APART

Livingston's Garden Peas

Early Tall Smooth Varieties

MARKET SURPRISE. A Large-podded First-in-Market. The pod is large, measuring about 3¼ inches in length and ¾ inch in width and the picking season a little longer than that of First-in-Market. As a sort to follow Extra-Early Alaska, it will prove a dandy good one. 60 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Livingston's Prolific Early Market. Comes into bearing about a week later than First-in-Market, and excels in length of pod, number of Peas in a pod, and number of pods to the vine. One of the sweetest and finest flavored of the early smooth varieties. Vines about 30 inches in height. 58 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Acquisition. The finest of the blue-seeded smooth Peas. It is of especial interest to the market-gardener, as it comes into bearing very early, has an attractive deep green pod about 4 inches long, and sells easily on sight. Ready for market the same time as Gradus. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

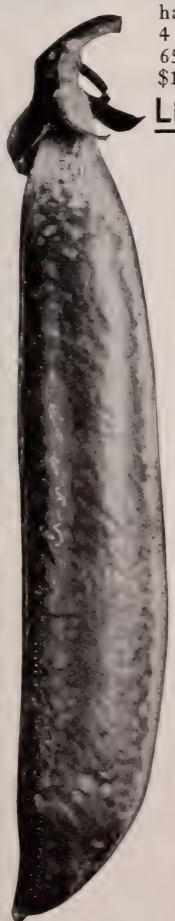
EXTRA-EARLY ALASKA. A good canning variety. Blue-green smooth Peas which retain their color after cooking. Matures early and all about the same time. 5 to 6 Peas to a pod. 57 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Gradus Pea

Early Tall Wrinkled Varieties

Thomas Laxton The vine grows about 3 feet high. Pods large, 4 inches long, with square ends, uniformly well filled. Yields more shelled Peas than Gradus. The green Peas are very large, fine colored and unsurpassed in quality. 62 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Gradus or PROSPERITY. This extra-fine variety combines earliness with large size. In earliness, the Gradus follows closely after the first earliest. In height, it grows about 3 feet. The pods are long, straight and handsome. Peas of superb quality. It produces pods measuring 4 to 4½ inches in length, well filled with large, handsome Peas. 65 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.



Potlatch Pea

Livingston's First-in-Market. The earliest of the semi-wrinkled varieties. Vines grow 24 to 30 inches long. It ripens uniformly, so that almost every pod may be gathered at one picking. The pods are handsome, straight, 3 inches long and full of medium-sized round Peas. Productive. 58 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 90 cts.; 10 lbs. $1.70; 25 lbs. $4.

Thomas Laxton

Main Crop Dwarf Wrinkled Varieties

IMPROVED STRATAGEM. Strong, vigorous vines having large pods, 5 inches in length, containing eight to ten large, rich Peas. 83 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Potlatch. A late variety of great value, growing 24 inches high, with very large pods, measuring up to 6 inches in length. Vines and pods are a rich, dark green, and pods contain eight or nine immense Peas. The plant is a vigorous grower and the pods are borne in pairs. It is a great producer and the quantity of Peas which shell out is surprising. Considered an improvement on Stratagem. 83 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

Main Crop Tall Wrinkled Varieties

Alderman. (Dark-podded Telephone.) A late wrinkled variety growing about 4 feet high and bearing freely large pods of Peas of a dark green color, and on this account considered by many superior to Telephone. Quality extra fine. 72 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. 95 cts.; 10 lbs. $1.80; 25 lbs. $4.25.

TELEPHONE. Vine large, with coarse leaves; height about 4 feet. The large light green pods are filled with large Peas, tender, sweet, and of fine quality. 72 days. Pkt. 10c; ½lb. 20c; lb. 30c; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

Yankee Prince. A fine type of the large medium green, large-podded sort. Height of vine 4 feet. Pods 4 to 5 inches long and contain eight or nine Peas of fine quality. 72 days. Pkt. 10 cts.; ½lb. 20 cts.; lb. 30 cts.; 5 lbs. $1; 10 lbs. $1.90; 25 lbs. $4.50.

A Good Edible Pod Pea

MAMMOTH MELTING SUGAR. Differs from other varieties in that the pods are cooked the same as beans. Pods are very large, fleshy, and of fine quality. Vines are about 3 to 4 feet in height. 84 days. Pkt. 10 cts.; ½lb. 25 cts.; lb. 40 cts.; 5 lbs. $1.15; 10 lbs. $2.20; 25 lbs. $5.25.

You should have a "TRUE BLUE" Garden with LIVINGSTON'S "TRUE BLUE" SEEDS

No Better Seeds Can be Purchased at any price.

SMOOTH PEAS, BEING HARDY, CAN BE PLANTED EARLIER THAN OTHERS

Livingston's Sweet

Culture.—Peppers should be started in a hotbed or coldframe and transplanted about the end of May into a sunny corner of the garden, in rows about 2 feet apart, with the plants about the same distance between them in the rows. They can be sown ½ inch deep in open ground in a seed-bed when all danger from frost has passed and the weather has become settled and the soil warm. When the little plants are about 3 inches in height, transplant as above into the rows where they are to remain. Some very rich fertilizer, stirred into the soil when the plants are about 6 inches high, will be found very beneficial. Maturities given are from transplanting dates.

One ounce of seed will produce about 1,500 plants
5 to 6 ounces to an acre

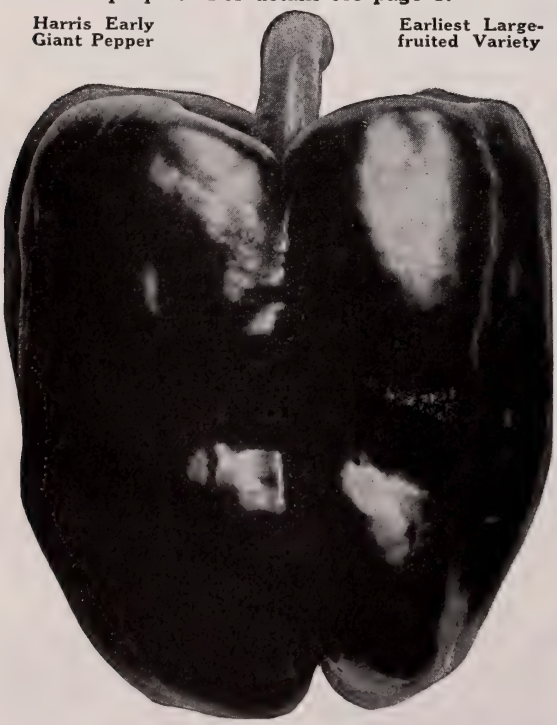
Livingston's Extra-Early Red Prolific. This variety is very early, bright red, and exceedingly prolific. A very sure cropper on all kinds of soil. The fruits average 3 inches in length by 2½ inches in diameter. 45 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

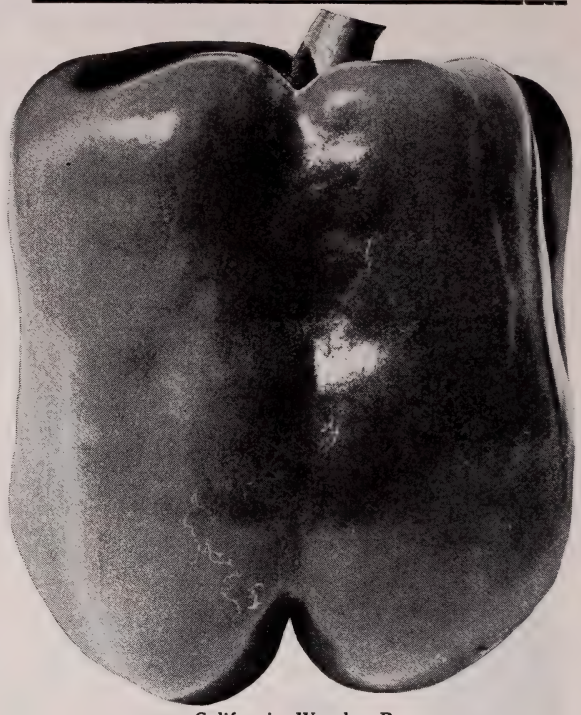
Livingston's Prolific Yellow. **Very early, very productive, very mild. Introduced by us in 1914.** Quite similar to our Extra-Early Red Prolific except in color. Immensely productive of bright yellow fruits of the most convenient size for stuffing. 48 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Oshkosh. A very intense glossy green when growing, and many are used and sold at this time. Bright canary yellow when ripe. Large, smooth, only slightly ribbed, heart-shaped fruits. Very prolific. 60 days. Pkt. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40; lb. $5.

Remember, we pay all transportation in the U.S.A. proper. For details see page 1.

Harris Early Giant Pepper — Earliest Large-fruited Variety





California Wonder Pepper

California Wonder

A very striking new sort of large size and having wonderfully thick flesh—often ¼ to ⅜ inch thick—which is deliciously crisp, tender, and sweet, like the finest pimentoes. In color it is a brilliant dark green, changing to crimson when ripe, and is of uniform shape and smoothness. (See illustration above.) 65 days. Pkt. 15c; ½oz. 25c; oz. 45c; ¼lb. $1.50; lb. $5.50.

Livingston's Ohio Crimson. **The sweetest and biggest Mango Pepper.** Introduced by us in 1906. Robust, stocky, and a sure cropper. The fruit is extra large and heavy, owing to thick flesh. It is very mild. Splendid for making mangoes. 65 days. Pkt. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.40; lb. $5.

Mammoth Ruby King. Its splendid size and handsome appearance make this Pepper sell most readily. The plants are vigorous, very bushy, growing about 2 feet in height, well branched, thickly set with large fruits, some 5 to 6 inches long by about 3 inches thick. 59 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.; lb. $3.25.

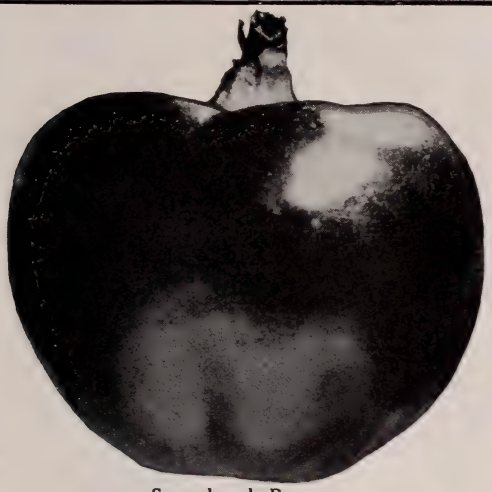
Harris Early Giant. **Earliest of all large-fruited sorts.** A large, sweet Pepper, producing good crops, even in the Northern States. The plants are of vigorous growth and covered with enormous Peppers about 4 inches long and 3 inches through. The Peppers are deep green, turning to brilliant red, with thick flesh, of sweet, pleasant flavor. Fruits begin setting when the plants are quite small. Very valuable for the home garden. 52 days. Pkt. 15c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

Miss Emma L. Brunner, Dodge County, Wisconsin, writes, 2-2-32: *"Last year I sent to you for California Wonder Pepper Seed. They were wonderful in spite of the intense heat and drought."*

M. S. Hilterman, Wayne County, Indiana, writes, 2-23-32: *"For three generations our family has used Livingston's "True Blue" Seeds, and we are quite familiar with your good Company and your excellent seeds."*

ALL RIPE PEPPERS ARE EITHER RED OR YELLOW

and Hot Peppers *Pimento*



Sunnybrook Pepper

MIXED MANGOES. A choice mixture containing a large number of the best sweet varieties suitable for stuffing and mangoes. Pkt. 10 cts.; ½oz. 25 cts.

TOMATO-SHAPED. This thick-meated Pepper has a very mild-flavored brilliant red flesh. Comes early and is productive. Smaller than Sunnybrook. 56 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.

Chinese Giant. It is of mammoth size, splendid shape, 4 to 5 inches broad and of equal length, beautiful, rich, glossy, bright red flesh, and mild flavor. Strong, bushy plants. 63 days. Pkt. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.50; lb. $5.50.

RUBY GIANT. A variety somewhat similar to Ruby King, but the fruits are larger and a little broader at the blossom end. The flesh is very thick, firm, and mild. 52 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

LARGE BELL or BULLNOSE. This Pepper is a good early variety and of mild flavor. It is of medium size with skin fairly thick and fleshy. 50 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 85 cts.; lb. $3.00.

World Beater. The shape is like Ruby King and the size almost equal to Chinese Giant but not so broad. A vigorous grower, sure cropper, and very prolific. The fruit is a beautiful scarlet, exceedingly mild; flesh thick and firm, making this variety an excellent shipper. Rapidly growing in favor, especially in the South. 50 days. Pkt. 10c; ½oz. 20c; oz. 30c; ¼lb. $1; lb. $3.50.

Sunnybrook. The Sunnybrook is larger and an improvement on the older type of the tomato-shaped Pimento. It comes into bearing early, is very productive, has very thick, sweet flesh, and is a brilliant red. The best of this type. 53 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.; lb. $3.25.

Sweet Salad. or Perfection. A good sort for the home-garden, both green and ripe. Smooth and uniform, heart-shaped, beautiful scarlet when ripe. Sweet and delicious. Very productive. 60 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Hot Varieties

Long Red Cayenne Pepper

Livingston's Improved Thick Long Red. Introduced by us in 1889. **A great improvement on the ordinary Long Red Cayenne,** with handsome bright red pods of about the same length, but much thicker. (See illustration which shows normal size.) The flesh is thick and very hot. Exceedingly prolific. Produced early in the season while prices are high. 50 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.; lb. $3.25.

"RED HOT" MIXTURE. Includes a number of small, ornamental sorts which are as "hot as fire." Pkt. 10 cts.

SMALL CAYENNE (Red Chili). The pods are 1½ inches long; very hot. Used for making pepper sauce. 50 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.

LONG RED CAYENNE. Three to 4 inches long, quite narrow and hot. 50 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. 90 cts.

Livingston's Improved Thick Long Red Pepper

Painted Pot Labels

Postpd. with seed order.			Not postpd.
		Wgt. per	
Sizes	50	100	1000	1000
4 x ⅝	$0.30	$0.50	4 lbs.	$ 2.00
4½x ⅝	.30	.50	5 lbs.	2.10
5 x ⅝	.35	.55	5 lbs.	2.20
6 x ⅝	.40	.60	6 lbs.	2.50
8 x ⅝	.50	.80	9 lbs.	4.00
10 x ⅝	.60	1.00	11 lbs.	5.00
12 x ⅝	.75	1.25	15 lbs.	6.00
8 x ⅞	.75	1.25	14 lbs.	6.00
10 x ⅞	.90	1.50	18 lbs.	7.20
12 x1⅛	1.25	2.00	30 lbs.	10.00

Copper Wired Tree Labels

Painted, durable wood labels. Ideal for marking trees, shrubs, Dahlia tubers, Canna bulbs, etc.

Size, 3½x⅝inch, 50 cts. per 100; $1.50 for 500; $2.45 per 1,000, **not postpaid. Add postage.** Weight, 5 lbs. per 1,000.

"Out of Sight" Mole Trap

Claimed to be the best Mole Trap ever offered, and only has to be tried to be appreciated. **Can be used in hotbeds under sash.** Full directions with each trap.

$1.50 Postpaid

Garden Trowels

Ordinary. 5-in. 15 cts.; 6-in. 20c, ppd.
Pressed Steel. 6-in. 45 cts., postpaid.
Forged Steel. 5-in. 60c; 7-in. 75c., **postpaid.** Be sure to state size wanted.

THERE IS MUCH PLEASURE IN WATCHING PEPPERS GROW

Livingston's Round Radishes *Rabanitos*

Early Scarlet Globe Radishes

Culture.—All varieties thrive best in light, sandy loam. For early use, sow in the hotbed in February, giving plenty of ventilation, or outside in the garden, in drills 1 foot apart as soon as the soil is warm and dry. Cover seed ½ inch deep. Sow every two weeks from March until September for a succession of crisp Radishes for table use. Radishes must grow rapidly to be crisp, mild-flavored, and tender. We offer a very fine assortment.

One ounce of seed will sow 100 feet of drill; 8 to 10 pounds will plant an acre

Saxa. This variety is of a beautiful scarlet color, round as a marble, crisp and juicy. Very small top and tap-root. It comes so quick that it has been placed on the dining-table in three weeks from the time of sowing seed. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Fireball. **(NON PLUS ULTRA).** A pretty little round Radish, deep, rich scarlet in color, with very small tops and crisp, tender, white flesh. A little earlier than Scarlet Globe, but not quite so large. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 70 cts.

EARLY SNOWBALL. One of the quickest growing Radishes besides being one of the prettiest round varieties in the whole list; white as snow, smooth, crisp, and extremely tender. 30 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

MODEL WHITE BOX. A short-topped Radish of rapid growth, perfect turnip shape, and extra-fine quality. 28 days. Pkt. 5 cts.; oz. 10 cts.; ¼ lb. 25 cts.; lb. 75 cts.

VEGETABLE SPECIALTIES and NOVELTIES
See pages 4 and 5
Best Varieties for Home-garden Use.

Early Scarlet Globe. **Most popular of all globe-shaped early Radishes.** This splendid globe Radish is the very finest early strain of the round, bright red Radishes. Flesh pure white, crisp, tender, and of delicious quality. Fine for market gardeners as a first-early forcing Radish. 25 days. Pkt. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.; 5 lbs. $3.50.

EARLY SCARLET TURNIP. Quite early, small, round Radish with rich dark scarlet skin. 27 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Rosy Gem. One of the earliest. It is perfectly globular, rich brilliant scarlet at top, blending into pure white at bottom, tender and crisp. The greenhouse strain of Cooper's Sparkler. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Cooper's Sparkler. **(SCARLET TURNIP WHITE-TIP.)** A splendid, crisp variety of the Scarlet Turnip White-tipped type, but showing more white, while the upper half is a bright scarlet. 25 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 80c.

Livingston's Selwel. An increasing demand on some markets for a Radish with a larger portion of white than in Cooper's Sparkler has prompted us to offer Selwel. The upper half of the bulb is a pleasing scarlet while the lower portion is pure white. It is almost round, is one of the first ready for use, and on account of its very attractive appearance should at once become popular. 25 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 90c.

Crimson Giant. Larger than other early varieties, but does not become pithy, even when fully twice as large in diameter and a week older. Has replaced Early Scarlet Turnip. Crimson-carmine; turnip-shaped; crisp and tender. 27 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.

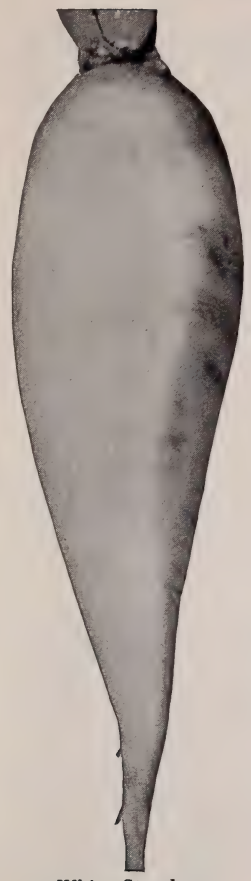
GOLDEN GLOBE. Most perfect globe-shaped; golden colored skin; white flesh, tender, brittle; withstands heat. 31 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

LARGE WHITE SUMMER TURNIP. A round, smooth, very white, large Radish that is crisp, tender and long standing. 31 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Cooper's Sparkler Radish
Splendid variety with white tip

GROW BOTH WHITE AND RED RADISHES FOR CONTRASTING SERVINGS

Livingston's Long Radishes



White Strasburg

Cincinnati Market. This superb Radish originated in southern Ohio. **We introduced it to our trade in the spring of 1895. It has become so deservedly popular that we have had to grow it in large quantities to supply the demand.** It is an improvement of Long Scarlet Short-Top. The tops are so small that the Radishes may stand very close in the rows. It grows straight and smooth, 6 to 7 inches in length. The skin is a beautiful scarlet, very thin; flesh crisp, brittle, and of delightful flavor. 32 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.; 5 lbs. $3.25.

EARLY LONG SCARLET SHORT-TOP. An outdoor, quick-growing long variety both for private and market-gardens. The average length is 6 inches, straight, uniform; tops small; bright scarlet in color; crisp. 32 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

IMPROVED CHARTIER. A clear rose-colored, long Radish, shading into pure waxy white at the tips; attains large size; grows fast. 35 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Lady Finger. or LONG WHITE VIENNA. Beautiful shape, with skin and flesh pure white, very crisp and tender. Rapid grower and long standing. Later than Long White Icicle. 36 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

GIANT WHITE STUTTGART. A large, top-shaped sort with flesh and skin white, firm and brittle. Can be stored for winter the same as turnips. 48 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

WHITE DELICIOUS. Of distinct half-long form, tapering to a point. They grow to good size, are of handsome appearance, and the pure white flesh is crisp, solid, and of mild flavor. A good summer variety. 30 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 80 cts.

FRENCH BREAKFAST. Of quick growth, very mild and tender, of oval form, scarlet tipped with white. Early sort for the home-garden. 25 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

WHITE STRASBURG. A handsome, oblong tapered Radish with pure white skin and flesh, firm, brittle, tender and crisp. Excellent for summer use as it withstands severe heat. 41 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

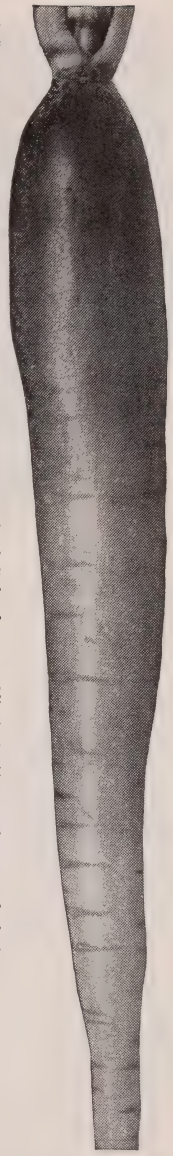
Livingston's Pearl Radish

Livingston's Pearl.

A beautiful, pearly white, half stump-rooted variety of exceptional merit. It is very crisp and after having reached its best condition, it remains in good shape for two weeks or more before becoming woody or showing signs of going to seed. We can heartily recommend this variety to home-gardeners. 29 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 90 cts.; 5 lbs. $4.

Long White Icicle.

Very similar to Livingston's Pearl. It grows 4 to 5 inches long, is slightly stump-rooted, and of transparent whiteness. Matures quickly. Most excellent flavor. A long-standing sort. 29 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 85c; 5 lbs. $3.75.



Cincinnati Market Radish

Four Best Winter Radishes

White Chinese Winter. or NEW CELESTIAL. Large Radish with white skin and flesh. Can be sown from July 1 to August 15, and will keep in prime condition a long time; mild in flavor; brittle and never woody. 48 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 85c.

CHINESE ROSE WINTER. A very handsome and distinct bright rose variety, crisp and tender; cylindrical in shape, very smooth. Keeps through autumn and winter. 48 days. Pkt. 5c; oz. 10c; ¼lb. 25c; lb. 85c.

LONG BLACK SPANISH WINTER. Grows 7 to 8 inches long. Diameter about 1¼ inches. Skin black; flesh white and firm. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

ROUND BLACK SPANISH WINTER. Similar to Long Black Spanish, except in shape. 50 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 85 cts.

Livingston's All-Season Mixture

ONE SOWING--RADISHES ALL SEASON

Livingston's All-Season Mixture of Radish Seed contains all shades and shapes—red, white, pink, variegated; round, half-long and long—in great variety. Just fine for small gardens, where space is limited, and where you want to make a garden and be done with it. One sowing does for the whole season. Large pkt. 10c; oz. 15c; ¼lb. 30c.

Planet Jr. Tools

We carry a complete line of these well-known garden tools. We do not have room to list them in this catalog but if you are interested we will gladly send you the Planet Jr. catalog.

Spinat Livingston's Select Spinach *Espinaca*

Bloomsdale Savoy Long-Standing Spinach

BLOOMSDALE SAVOY LONG-STANDING. A new strain of merit. It is just as early as the old-type Bloomsdale, but stands in marketable condition ten to fourteen days longer. Intensely crumpled, blistered, uniform, deep glossy green leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Bloomsdale Savoy Reselected. A new strain of Savoy which has been selected so as to eliminate the male plants and thereby prevent running to seed so early in the season. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 40c.

IMPROVED THICK LEAF (Viroflay). Good for fall or spring sowing. Has heavy, broad, dark green, curled leaves of fine quality. Inclined to shoot to seed early. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 35c.

PRICKLY-SEEDED WINTER. Triangular, oblong, or arrow-shaped leaves. Seed prickly. Hardiest of all, therefore best for fall sowing where winters are severe. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 35c.

Nobel. (Big Crop). This is, no doubt, the best of the so-called "smooth-leaved" sorts. It produces a large mass of rather smooth, very thick, rounded leaves of enormous size, and although it is a very quick grower, it stands very long before bolting. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Culture—Will succeed in any ordinary garden soil and can be grown as a spring or summer crop. Sow in rows 12 to 18 inches apart, cover seed 1 inch deep and thin to 2 to 3 inches apart. For spring crop, sow in August or September and cover lightly with straw or other litter at approach of cold weather.

One ounce of seed will sow 50 feet of drill; 12 to 15 pounds will plant an acre

King of Denmark. The New Evergreen Spinach. It is fit for use in thirty days from time of sowing, and remains in good condition fully two weeks after other varieties have started seed-stalks. It has a beautiful crumpled, dark green, thick leaf of fine quality. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Juliana. Best second-early variety. Same type as Victoria, but very slow to run to seed. Dark green crumpled leaves, rounded and thick, and short leaf-stems. Rapidly growing in popularity. Our seed is from the originator. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

VICTORIA. An excellent sort, whether grown for home use or market. It may be sown either in the spring or during late summer and fall. The plants are fit for use quite early. The leaves are very thick and have a mild flavor. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

New Zealand. A distinct type. The plants grow in branching form, with thick, succulent leaves. The leaves and stems can be gathered at any time after they are well grown and the plants will start out into new growth. Thrives during hot weather and in any soil. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

VIRGINIA BLIGHT-RESISTANT SAVOY. Fine for fall planting, about August 15, but tends to go to seed when grown as spring crop. Type, same as Bloomsdale but darker. Valuable where blight is prevalent. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 40c.

OLD DOMINION. The same as Virginia Blight-resistant in type and quality. Will eventually take the place of Virginia because of its long standing qualities which permits early spring planting. Limited supply. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.

Mrs. J. Lorimer, Rice County, Minnesota, writes: *"I have gotten my tomato seeds from your company for the last five years, and have had fine success with them."*

Mrs. Arch Murphy, Jefferson County, Ohio, writes 4-6-32: *"It may be of interest to you to know I received first prize for Muskmelons, Watermelons and Carrots at the Jefferson County Fair from the seeds I bought from you last year."*

Noble or Big Crop Spinach

Swiss Chard or Spinach Beet

A peculiar variety of Beet, of which the leaves only are used as "greens" when young, and are equally delicious when allowed to mature. The broad, white leaf-stalks or midribs can be cooked and served like asparagus. Produces continually from July until fall. Desirable for greens in summer when spinach cannot be grown.

Fordhook Giant. Leaves broad, upright in growth, very dark green, savoyed, with broad white midrib. This variety, on account of its giant size and pleasing deep green color, will probably supersede other sorts. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 30 cts.; lb. $1.

Lucullus. An improved variety yielding an enormous crop of delicious "greens." The plants grow 2 feet tall and consist of about a dozen creamy white, beautifully curled leaves. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Speise-Kürbis Livingston's Squash *Sidracayote*

Culture—Plant after weather has become fully settled and the ground is warm and dry, in hills 5 to 6 feet apart for bush varieties, and 6 to 8 feet apart for running varieties. Hills should be thoroughly manured. Slightly elevate the hills and place seven or eight seeds in each, finally leaving but three plants. Press the seeds down firmly before covering, and cover early planted ones 1 inch deep, and late ones 1½ inches.

One ounce of seed makes 40 hills, 3 to 4 pounds to an acre

White Bush Scallop Squash

Early White Bush. (Patty-Pan). The flat patty-pan shaped fruits are 6 to 8 inches in diameter and ready for use very early in the summer. They should be eaten when young and tender. 50 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Acorn. (Table Queen). This variety averages about 6 inches long by about 4 inches wide, just the right size to serve one-half to a person. The color is a dark green, except when it becomes over-ripe, when it changes to buff; flesh is orange color and fine-grained. 75 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Chicago Warted Hubbard. Large size; dark green color, distinguished by a dense covering of knots indicating splendid quality; thick yellow flesh. Long keeper. 100 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.40.

Blue Hubbard. Large variety having a hard blue-gray shell. Long-keeping; good quality. 95 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50.

GOLDEN or RED HUBBARD. Skin bright, rich orange-red; shell hard and warty; flesh deep golden yellow, fine-grained, of splendid flavor, cooks dry. 100 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.10.

HUBBARD. Color bluish green. Flesh rich orange-yellow, fine-grained, sweet; will keep until spring. 100 days. Pkt. 5c; oz. 15c; ¼lb. 35c; lb. $1.25.

Livingston's Pie. Rich, sweet flavor. Makes good pies even without eggs. The color of the skin is similar to that of the Golden Russett apple. Flesh yellow and very thick. Quite early. Size, 8 to 10 inches in diameter. 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

FORDHOOK. Fruits of convenient small size for family use with thick, dry, sweet flesh, thin skin, and small seed cavity. Maturing early; immensely productive. Used as a summer sort or stored for winter. 60 days. Pkt. 5c; oz. 10c; ¼lb. 30c; lb. $1.

BOSTON MARROW. 90 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

GREGORY'S DELICIOUS. 80 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Livingston's Squash Mixture

One sowing will produce Squashes for the season. Large pkt. 10 cts.; oz. 15 cts.; ¼lb. 40 cts.

MAMMOTH WHITE BUSH SCALLOP. Excellent large strain, 10 to 12 inches in diameter, and creamy white. Nearly as early as Patty-Pan. 60 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 30 cts.; lb. $1.

MAMMOTH YELLOW BUSH SCALLOP (Golden Custard). Deep orange in color, 8 to 10 inches in diameter. For early summer use. 60 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

COCOZELLE. An Italian summer variety of bush habit. The fruits are oblong, 12 to 16 inches in length and 5 inches in diameter, slightly ribbed; color marbled yellow and dark green stripes. 60 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Giant Golden Summer Crookneck. The largest and best of all Summer Crookneck Squashes. It is of dwarf, bushy habit and very productive, bearing early and all summer. The fruits are rich golden yellow, thickly warted. 58 days. Pkt. 5 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

GIANT GOLDEN STRAIGHTNECK. Same as above except in shape. 58 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 45 cts.; lb. $1.50.

ZUCCHINI. A delicious light colored Italian variety. should be used when about 5 to 6 inches long. Quarter lengthwise and serve same as Asparagus. 55 days. Pkt. 10c; oz. 15c; ¼lb. 45c; lb. $1.50.

Livingston's Improved Cushaw. Mottled green and white striped. Flesh yellow, solid, fine-grained, very sweet, and excellent for pies or baking. Crookneck in shape and the neck is all solid flesh. 75 days. Pkt. 10 cts.; oz. 15 cts.; ¼lb. 35 cts.; lb. $1.25.

Sunflower

MAMMOTH RUSSIAN. Gigantic growth; 125 bushels to an acre is not uncommon. Highly recommended for poultry and bird seed. Best egg-producing food known. Pkt. 5 cts.; ¼lb. 15 cts.; lb. 25 cts.; 5 lbs. 75 cts.

Salsify or Oyster Plant

Culture—Good substitute for oysters. Sow early, in rows 1½ feet apart, and cover firmly 1 inch deep; thin to 3 inches apart in the rows. Will stand winter weather.

One oz. of seed will sow 50 feet of drill; 8 lbs. will plant an acre.

Mammoth Sandwich Island. Splendid variety. Averages nearly twice the size of others. Grows very uniformly; mild and delicious in flavor. 140 days. Pkt. 10 cts.; oz. 20 cts.; ¼lb. 65 cts.; lb. $2.

Livingston's Imp. Cushaw Squash

Livingston's

Tomato Culture

In this locality, for very early fruit, the seed should be sown in a hotbed about the first week in March, in drills 5 inches apart and ½ inch deep. Later sowings may be made until the last of April. You can approximate your sowing date from this according to your location. (Sufficient plants for a small garden can be started by sowing a few seeds in a shallow box or flower-pot and placing in a sunny window in the house.) When the young plants are about 2 inches high, they should be set 4 to 5 inches apart in another hotbed or coldframe, or transplanted into small pots, allowing a single plant to a pot. Expose to the air as much as possible to harden them for planting out. Water freely at the time of transplanting in the open ground and shelter from the sun a few days until the plants are thoroughly established. Cultivate as long as the vines will permit, but the last two or three workings of the soil should be very shallow.

Tomatoes grow splendidly trained to stakes or trellises. The fruits are of better quality and appearance and ripen earlier. This method is common with market gardeners and is practiced by private gardeners where neatness and conservation of space is desired. The usual method is to set one strong plant to a stake 5 to 7 feet high, tying the plant up with wool or other strong, soft twine, and pruning quite freely as the vine advances in growth. By this method plants may be set much closer than in the ordinary way. Ask for Tomato Booklet giving more detailed instructions. **About 2,000 plants will be produced from one ounce of seed. 4 ounces will plant an acre. Maturities given are from transplanting to first ripe fruit.**

Livingston's Special Collection of Tomatoes

These are our own introductions and you will find no better for all around Home Garden purposes.

LIVINGSTON'S GLOBE, Pink
LIVINGSTON'S STONE, Red
LIVINGSTON'S GOLD BALL, Fine for Preserving

1 Packet of Each (Value 30c) 25c

Red Tomatoes

Livingston's Ohio Red Tomato

Introduced by us in 1929

An entirely new type, reverse in shape of the old flat type. There is but little indentation at the stem-end. Frequently has a slight point at blossom-end. Good average size, brilliant red color, a most attractive departure from most Tomatoes. Not a freak, but of real, practical value as a salad variety for home gardeners. Second-early. 65 days. Pkt. 15 cts.; ½oz. 35 cts.; oz. 65 cts.

Burbank. A very early red sort. Size and shape similar to Earliana but fruits are a little smoother. The plant grows to medium size and is quite productive. 55 days. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.; ¼lb. $1.30; lb. $4.50.

Greater Baltimore. A midseason red variety, very heavy, due to its extreme firmness and very thick meat. Fruit ripens evenly; free from ridges and cracks. A great canning sort, earlier than Stone. 63 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Livingston's Paragon. *Introduced by us in* 1870. The first perfectly smooth, deep red Tomato offered by us to the American people. We have kept it up to the original high standard. A heavy yielder, ripening medium early. The fruits are of large size. Flesh is solid, of superior quality and bright rich red. 65 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Earliana. The plants are compact in growth, with short, close-jointed branches, setting fruits very early. With our strain of Earliana the fruits are bright red, of uniform medium size, fleshy, solid and smooth. 55 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Mary E. Borden, Clinton County, New York, writes 2-10-32: *"I was very much pleased with my Tomatoes last year. I had a very good crop."*

Break-O-Day Tomato

The new Pritchard hybrid developed from Marglobe and Marvana, having their disease resistant qualities. Resembles Marglobe in shape and size, but not so productive. Has vines of open habit like Marvana. Matures early, being next to Earliana in this respect. Fruits are solid, meaty and have a beautiful scarlet color. Will become quite popular with home-gardeners. 58 days. Pkt. 15 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.50; lb. $5.50.

New Break-O-Day Tomato

Try Break-O-Day This Season

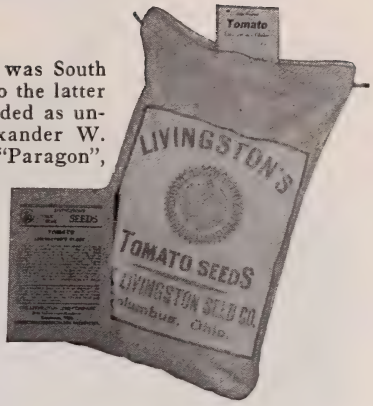
Famous Tomatoes

Alexander W. Livingston
Pioneer and Founder

Pioneering the Tomato

The native home of the Tomato or "Love Apple" was South America where it was prized by the natives. But up to the latter part of the nineteenth century it was commonly regarded as unhealthful and poisonous. Not until 1870 when Alexander W. Livingston introduced the first modern Tomato, his "Paragon", did it come into common use. This introduction was the result of 23 years of labor in giving the Tomato size, shape and, above all, quality. This was the beginning of the now world wide demand for this luscious and healthful vegetable.

Since 1870 Livingston's have developed and introduced more than 30 new varieties, most of the seed of which are grown by them. Large quantities are sold each year in packets to pounds under the Livingston "True Blue" seal, the sign of highest quality in Tomato seed.



Red Tomatoes

New Pritchard Tomato

The Pritchard. A new variety of merit, developed by the late Dr. Fred J. Pritchard of the U. S. Dept. of Ag. It is a cross between Marglobe and Cooper's Special; inherits the good qualities of the well known Marglobe and its self-topping characteristics from Cooper's. Fruits are of medium size, solid and slightly globular. The color is scarlet with dark red interior, a feature that should make it a popular canning variety. Vines are short and branching with fruit clusters of about 5 each. A few days later than Break O'Day. Good rich soil adds to its productiveness. 60 days. Pkt. 20 cts.; ½oz. 35 cts.; oz. 65 cts.; ¼lb. $2.15; lb. $7.50.

Hansing's Improved Wilt-Resistant Marvel

Introduced by us in 1927

An early, bright red sort of medium size, originated with Mr. Hansing, a prominent Indiana gardener. In shape it is about the same as Bonny Best, slightly more flat, and in quality, first class. The fruits are produced in good-sized clusters, about 6 inches apart, on a vigorous-growing vine, with only an average amount of foliage. It is coming into favor with the critical under-glass growers for early market. 60 days. Pkt. 15 cts.; ½oz. 30 cts.; oz. 50 cts.; ¼lb. $1.75; lb. $6.

Bonny Best. Best red for greenhouses. Is of medium size, bright scarlet, always smooth, and of uniform size and shape. A splendid sort to follow Earliana in the open field. 57 days. Pkt. 10c; ½oz. 20c; oz. 30c; ¼lb. $1; lb. $3.50.

John Baer. An extra-early red-fruited sort of merit that comes into bearing at about the same time as Bonny Best. The fruits are large, nearly round, smooth, and of good quality. 60 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.10; lb. $3.75.

Kerzie L. Wright, Vigo County, Indiana, writes: *"Sure grew some fine Bonny Best Tomatoes which came from you last year."*

R. J. Vice, Elk County, Kansas, writes, 2-7-32: *"I planted your seeds last year and was more than pleased with your Tomatoes. They sure are O. K."*

Marglobe

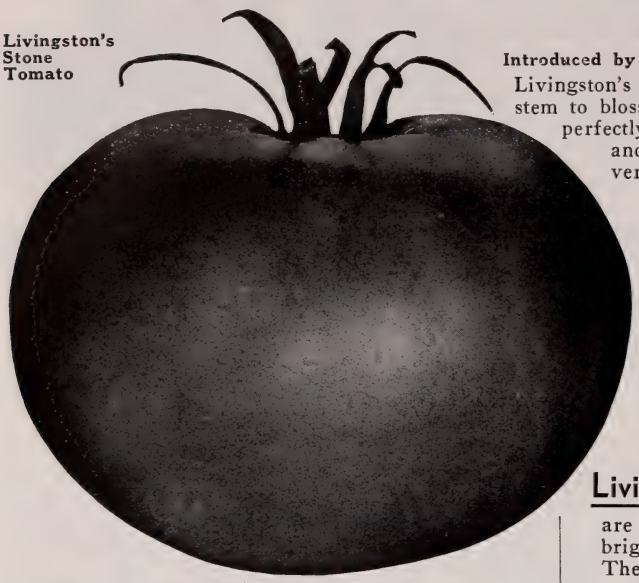
WILT AND NAILHEAD RUST-RESISTANT

Has made a wonderful record in sections where above diseases prevail. Produced by crossing Livingston's Globe with other varieties and after several years' selection was offered in 1926. Vigorous grower in both greenhouse and field; bright red, quite early, large size, almost round and very productive. We grow the seed we offer from select planting stock supplied by originator. Large quantities are supplied to Tomato-growing sections. Main crop variety. 60 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Wilt and Nail-head Rust-resistant Variety

Marglobe Tomato

Livingston's Red Tomatoes---Continued



Livingston's Stone Tomato

Livingston's Stone

Introduced by us in 1889—Greatest of All Canning Tomatoes

Livingston's Stone is always of good size, deep through from stem to blossom-end and very firm. Skin is bright scarlet, perfectly smooth, and strong enough to stand shipping and long-distance hauling to perfection. Flesh is very solid and of finest flavor. Seed-cells are small and few. Livingston's Stone is recognized as one of the greatest canning Tomatoes. Main crop variety. 76 days. Order direct from us and get the real thing. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Norton. Wilt-resistant Stone. Popular on account of its remarkable wilt-resisting qualities. Similar in growth, color, and season to our Livingston's Stone. Valuable for the South, or where the wilt is prevalent. 76 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Livingston's Dwarf Stone. *Introduced by us in 1902.* The fruits are nearly as large as those of our Standard Stone; bright red; smooth; ripens evenly; medium early. The plants may be set as close as 1½ to 2 feet apart and still produce an abundant crop. 65 days. Pkt. 10c; ½oz. 25c; oz. 40c; ¼lb. $1.30; lb. $4.50.

Livingston's Coreless. *Introduced by us in 1908.* In shape it is almost round, being of about the same diameter each way. The depression at the stem end has been almost eliminated. Immensely productive. A good slicing variety, the seed-cells being surrounded by bright red, heavy, meaty and delicious flesh. Late variety. 78 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Redhead. A second-early, meaty, deep red variety of good size and shape. Smooth, productive, uniform and nearly free from cracks. Popular in the West. 62 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Livingston's Ideal (A Red Globe)

Introduced by us in 1930

May properly be termed "A Red Globe". Has strong, healthy plants that show no signs of blight. Globe shaped fruits of medium size; bright scarlet; firm flesh. About same season as Bonny Best. Fruit clusters are set closely on stalk, making increased yield under glass. 63 days. Pkt. 15 cts.; ½oz. 35 cts.; oz. 60 cts.; ¼lb. $2; lb. $7.

Chalk's Early Jewel. Of large size, a few days later than Bonny Best. Flesh thick, bright scarlet, solid, excellent flavor, ripens evenly. One of the largest cropping varieties. 63 days. Pkt. 10c; ½oz. 20c; oz. 30c; ¼lb. $1; lb. $3.50.

Livingston's Pink Tomatoes

Livingston's Globe Tomato

Introduced by us in 1905

THE GREATEST SHIPPING TOMATO KNOWN

We feel quite safe in saying that no Tomato ever introduced has been so valuable to the southern growers and shippers as the Livingston's Globe. No variety has produced more valuable crops, almost every season, since we introduced it in 1905. Literally, trainloads of crated Livingston's Globe Tomatoes are shipped out of Florida, Texas, Mississippi, and other Southern States each season.

As a greenhouse sort, it is not excelled by any other pink variety, and it is one of the best for the home-garden, comes into bearing early, and keeps on bearing almost until frost. The fruits are of large size, always smooth, with firm flesh that ripens evenly; color, a fine glossy rose, tinged with purple. Quality good, being mild, pleasant, and of delicious flavor. Fine for early growing on stakes or trellises. Almost blight-proof. Main crop variety. Genuine Livingston-grown seed. 65 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

Livingston's Improved Dwarf Champion.

Medium-sized fruit produced in clusters of three to five. Beautiful glossy purple, firm, solid. Main crop variety. 63 days. Pkt. 10c; ½oz. 25c.; oz. 40 cts.; ¼lb. $1.30; lb. $4.50.

Greatest Shipping Variety

Livingston's Globe Tomato

Livingston's Pink Tomatoes -- Continued

Livingston's Beauty

Introduced by us in 1886

Although introduced so many years ago, this is still one of the popular purple-colored Tomatoes. The plants make a strong growth, are hardy and bear profusely. The large, smooth, rather flattened, firm fruits are produced in clusters of four to six, and retain their size until late in the season. Main crop variety. 70 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Livingston's Rosy Morn

Introduced by us in 1923

An early, bright rosy pink variety, coming into bearing close up to Earliana. It is smooth, and the very solid, fleshy fruits ripen evenly and are surprisingly free from cracks about the stem. It is a very fine slicing sort, being of mild and delicious flavor. A good strong grower of vigorous foliage. A heavy yielder. 69 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Livingston's Magnus. *Introduce by us in* 1900. One of the most handsome Tomatoes in cultivation. It is unsurpassed in quality and in the production of fine, large, purple-skinned fruits. The form is quite deep through from stem to blossom-end. Heavy cropper. Has broad potato-leaf foliage which prevents sunburn. For staking up in the open field, it is a fine sort. Second early variety. 62 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

June Pink. **A Pink Earliana.** Ripens as early as Earliana. A prolific bearer, clusters of six to eight large fruits being borne close to the main stem, a large percentage of the fruit being produced very early. The fruit is of medium size, uniform, smooth and attractively shaped. 55 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Livingston's Acme. *Introduced by us in* 1875. The first perfectly smooth, medium-sized purple or pink Tomato introduced. It is a uniform, early, prolific sort, free from cracks. Quality fine. 62 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 30 cts.; ¼lb. $1; lb. $3.50.

Mrs. Mary Fawcett, Washington County, Utah, writes, 4-8-32: *"Can't find a better Tomato than the Rosy Morn."*

Livingston's Beauty Tomato

Heavy Yielding Variety

Gulf State Market. A medium-sized, early, purple sort, recently introduced. Ripens the same time as Livingston's Globe, but averages smaller. It is globe-shaped and quite popular in southern sections. 65 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Cooper's Special. A variety which is being largely used by Florida growers, and is what they term a self-topper. It is a globe-shaped sort, of the same color as Livingston's Globe but smaller. The vines are shorter and fruits are set in clusters of four or five every 5 or 6 inches along the stalk. Second-early variety. 63 days. Pkt. 10c; ½oz. 20c; oz. 35c; ¼lb. $1.15; lb. $4.

Early Detroit. A very productive, early pink sort, of uniform size. Fruit large and smooth, globe-shaped and of excellent quality. Vines vigorous and productive. 71 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Mrs. Gus Colberg, Saint Clair County, Michigan, writes, May 10, 1932: *"Was pleased with all the seed we bought from you. The Oxheart Tomato is all you claim and more. We had some weighing 3½ pounds."*

Ponderosa Tomato

Livingston's Big Tomatoes

Ponderosa

The pink fruits ripen quite early, are very solid, almost seedless, of good subacid flavor, and of immense size, frequently weighing more than two pounds. It is now producing a much smoother fruit than when first introduced. Splendid slicer. Bears well until very late. Main-crop variety. 84 days. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.50; lb. $5.50.

Livingston's Buckeye State

Introduced by us in 1893

Its extra large fruits are borne in clusters of three to six, and have a smooth skin of purple color. The fruit is very meaty, solid, and the flesh is of most desirable quality. We have been successful in eliminating the roughness so common to large-fruited sorts. Late variety. 80 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15; lb. $4.

Big Tomatoes continued on next page

Livingston's Big Tomatoes -- Continued

Livingston's Giant Oxheart Tomato

Livingston's Giant Oxheart

The big tomato everybody is talking about

Introduced by us in 1926

Oxheart is truly the giant of all tomatoes. Its attractive shape, large size and excellent table qualities has quickly brought it into deserved popularity among back yard gardeners. Market-growers are finding it in great demand. There is now great rivalry in gardening neighborhoods to see who can grow the finest Oxheart in shape and size. Three pound specimens are quite common. One customer sent us a five pound specimen.

The Oxheart is smooth, thick, tender and almost seedless; frequently showing 2 inches thick without a seed cavity. The color is pink and it has that delicious mild flavor that every lover of this fruit likes so well. Rich soil adds greatly to its productiveness. Late variety. 87 days.

Selected seed, grown by us. Pkt. 15 cts.; ½oz. 40 cts.; oz. 75 cts.

Colossal. A strain of Ponderosa that exceeds it in average size and smoothness. A slice of this enormous-fruited sort looks like a piece of beefsteak. The fruit has purple or pink skin and many are quite smooth. Main crop variety. 84 days. Pkt. 15c; ½oz. 30c; oz. 50c; ¼lb. $1.75.

Crimson Cushion (Beefsteak). An extremely large, bright red variety of the Ponderosa type, that ripens evenly and is of good quality. A good companion to the Colossal. Main crop variety. 84 days. Pkt. 10 cts.; ½oz. 25 cts.; oz. 45 cts.; ¼lb. $1.50.

Livingston's Yellow Tomatoes

Livingston's New Yellow Oxheart.

Introduced by us in 1929

A new variety of our Oxheart-type Tomato. All our customers who are familiar with Livingston's Oxheart, and who did not try this new yellow one last season, should give it a trial this year. It is of the same shape as the original, but the skin and flesh are a rich shade of yellow. A platter of slices of the Yellow Oxheart, mixed with slices of the original Pink Oxheart, makes an appetizing dish. Try it. 85 days. Pkt. 20 cts.; ¼oz. 35 cts.; ½oz. 50 cts.; oz. 90 cts.

Livingston's Golden Queen.

Introduced by us in 1882

Of superior flavor, solid, always smooth, large, ripens early. Rich golden yellow skin with a tinge of pink on the blossom side. Fine for slicing. 78 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15.

Odd Tomatoes.

YELLOW PEACH. Resembles peaches closely in size, shape, and general appearance. Color light yellow. Pkt. 10 cts.; ¼oz. 15 cts.; ½oz. 25 cts.

GOLDEN HUSK or WINTER CHERRY. Unequaled for making preserves and pies. Has a golden color, strawberry flavor, very productive. Fruit is size of large cherries. Pkt. 10; ¼oz. 20c; ½oz. 35c.

Small Tomatoes.

Excellent for Preserves, Pickles, and Pies

	Pkt.	¼ oz.
Red Currant. Smallest of all sorts	$0.05	$0.15
Red Cherry	.05	.15
Yellow Cherry	.05	.15
Red Pear	$0.05	$0.15
Yellow Pear	.05	.15
Yellow Plum	.05	.15
Mixed Small Sorts	.10	

Livingston's Dwarf Yellow Prince.

Introduced by us in 1898

A very choice, dwarf-growing, yellow Tomato that is very early and of medium size and beautiful shape. Flesh is solid and the flavor is desirable. 69 days. Pkt. 10 cts.; ½oz. 25 cts.; oz. 40 cts.

Livingston's Gold Ball.

Introduced by us in 1892

Beautiful canary-yellow fruits about 1½ inches in diameter, borne in clusters. Flesh thick. Fine for preserves. 65 days. Pkt. 10 cts.; ½oz. 20 cts.; oz. 35 cts.; ¼lb. $1.15.

Golden Ponderosa.

Golden Ponderosa equals Ponderosa in size, shape, and quality, but it is a golden yellow in color. In other words it is, as the name indicates, a yellow-fleshed Ponderosa. 82 days. Pkt. 10 cts.; ¼oz. 20 cts.; ½oz. 30 cts.; oz. 50 cts.

This Oxheart Tomato was raised by Mr. R. A. Stroup, Trumbull Co., Ohio. It weighed 3¼ lbs. and was on a vine with 11 others that averaged more than a pound each.

Rüben Turnip

Culture—Turnips serve the double purpose of summer greens and useful roots. Early varieties should be planted as soon as the ground is dry in spring. Sowings of these and other later ones can be made as late as August. Early sowing should be in rows 12 to 15 inches apart, covering seed ½ inch and thinning to 4 to 6 inches apart in the row. Cultivate often and thoroughly. Late sowing can be broadcast rather than sown in rows.

One ounce of seed will sow 100 feet of drill;
One to two pounds will plant an acre

Extra-Early Purple-Top Milan. Roots are flat and an attractive purple-red on the upper portion. Tops small and upright and are therefore well adapted for forcing. The Milans are the very best for extra early, and their quality is fine. Very smooth and almost transparent skin. 47 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Extra-Early White Milan. Same as Purple-Top Milan except in color. 47 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 25 cts.; lb. 75 cts.

Early White Egg. A variety with white flesh, firm, fine-grained, mild and sweet. 49 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.

Yellow or Amber Globe. Sweet; large; fine for table or stock. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 45 cts.

Golden Ball. or **ORANGE JELLY.** Rapid grower; globe-shaped; bright yellow. Best yellow sorts for table use. 60 days. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 50c.

EARLY SNOWBALL. Medium-sized round Turnip; pure white; very fine flavor; flesh is fine-grained. One of the best. 54 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.

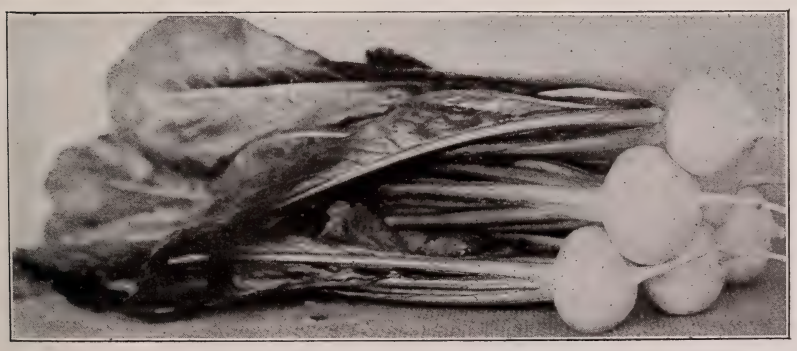
Purple-Top Strap-Leaf. Comes next to Purple-Top Globe in popularity. An early variety, very extensively used for the table. Leaves are few and upright in growth. Roots flat, of medium size, purple or dark red above ground, white below; flesh white, fine-grained, and tender. 56 days. Pkt. 5c; oz. 10c; ¼lb. 15c; lb. 45c; 5 lbs. $2.

Early White Flat Dutch. Same as above except in color. 47 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 45 cts.

Long White. or **COW-HORN.** Long; grows partly above ground; slightly crooked; white, fine grained, very sweet. Sometimes used for plowing under to improve the soil. 70 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Japanese Shogoin Turnip. It is the best combination variety for both bulbous roots and Tops for "greens" we have yet seen. The roots are white, shaped like Purple Top, very sweet and mild. The tops or leaves are large, thick, juicy and stand erect. This variety is louse resistant and thrives even in the hottest dry weather. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 20 cts.; lb. 60 cts.

MAKE THE MOST OUT OF YOUR GARDEN
Follow first early crops with later ones.
Turnips are fine as late crop.



Japanese Shogoin Turnip

Nabos

Purple Top White Globe Turnip

Purple-Top White Globe. Most popular of all Turnips for main crop. The roots are large, purple or dark red above ground, white below and when in best condition for the table, are about 3 inches in diameter, but can be grown much larger. Flesh white, fine-grained, and tender. Keeps well, is one of the best for market, and a popular home-garden sort. 56 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 50 cts.; 5 lbs. $2.25.

LARGE WHITE GLOBE. Similar to above except in color. 68 days. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 45 cts.

Seven Top. Cultivated extensively for the tops, which are used as greens. Pkt. 5 cts.; oz. 10 cts.; ¼lb. 15 cts.; lb. 40 cts.

Rutabaga

(Swedish or Russian Turnip)

Rutabagas are more especially adapted to northern sections. They require a longer season for maturing, hence should be sown earlier than turnips, or about June 15. Make rows 18 inches apart, cover seed 1 inch and thin to 6 inches in the row. Maturity 90 days.

LARGE WHITE RUSSIAN. An excellent keeper and very desirable either for the table or for stock; roots very large, somewhat top-shaped; color white with a shade of green at the top. Flesh white. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 60c.

Improved American Purple-Top.

One of the best and heaviest cropping sorts. It is of globe shape with a rich purple top and light yellow below the ground. The quality is fine; very tender, and not stringy. Valuable table variety. Pkt. 5c; oz. 10c; ¼lb. 20c; lb. 65c.

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STONEMAN PRESS, COLS., O.

PRINTED IN U. S. A.

ORDER SHEET

The Livingston Seed Co. Columbus, Ohio

Date _____, 1933

Name _____

Post Office _____

R.F.D. No. _____, Box No. _____, State _____

Street _____

Ship to Station _____

If You Have Moved During the Year Give Us Your Old Address

Here _____

AMOUNT ENCLOSED

Money Order - $ _____

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Bank Draft - - _____

Stamps - - - - _____

Cash - - - - - _____

Date Rec'd _____

Gathered by _____

Checked by _____

Wrapped by _____

Date sent _____ P. _____

PLEASE ANSWER

Are you a Commercial Florist? _____ M.G. _____ D. _____

Are you a Market Gardener? _____ F.S. _____ R. _____

While we accept stamps in payment for small orders, the Postal Dept. asks that we discourage their use. When at all possible, remit by Check or Money Order.

We, THE LIVINGSTON SEED COMPANY, give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs or plants we send out, and we will not be in any way responsible for the crop.

We Pay Transportation on All Seed quoted in this Catalog. Shipments will be made free of all transportation and packing charges by prepaid mail, express or freight (our option), to any point in the United States proper. This does not include other items quoted "F.O.B." Columbus or "not paid."

QUANTITY	NAME OF VARIETIES WANTED Place One Variety Only to a Line	PRICES	
		Dollars	Cents
	TOTAL CARRIED FORWARD		

QUANTITY	NAME OF VARIETIES WANTED Place One Variety Only to a Line	PRICES	
		Dollars	Cents
	TOTAL BROUGHT FORWARD		
	TOTAL		

Livingston's Great Dollar Collection of "TRUE BLUE" Vegetable Seeds

26 Packets $1.00. Postpaid

THIS Great Dollar Collection of vegetables is our most outstanding vegetable offer and we firmly believe that no collection, made from regular size packets of high quality seed, such as ours is, can be purchased at this price anywhere else in this country.

There are 26 regular packets consisting of 19 different kinds of vegetables, all of which are necessary to health and good living. It is ideal for you new gardeners, especially if you are not so familiar with the best varieties to choose. You'll find the most popular and outstanding sorts in this collection.

The actual value, if purchased separately, would be $2.05. We can sell this collection at the low price of $1.00 because we put hundreds of them up in the winter ahead of the spring rush. For the same reason we cannot allow any substitutions.

Now let us have your order and your package will go forward the same day the order reaches us without any delay.

Here Is What Your Dollar Will Buy

Beans, Stringless Green-Pod. Dwarf.
Beans, Kidney Wax. Yellow pod; dwarf.
Beet, Detroit Dark Red. Early; round.
Beet, Swiss Chard. Used for greens.
Cabbage, Early Jersey Wakefield. Fine flavor.
Cabbage, Danish Ballhead Short-Stem. Long keeper.
Carrot, Danvers. Fine quality.
Cucumber, Davis Perfect. For pickles.
Cucumber, Extra-Early White Spine. Fine for slicing.
Corn, Golden Bantam. Early and sweet.
Kale, Siberian. Fine for greens.
Lettuce, Big Boston. Good heading sort.
Lettuce, Curled Simpson. Early leafy sort.
Muskmelon, Livingston's Tip-Top. Large; sweet.
Onion, Yellow Globe. Large; good keeper.
Parsnip, Hollow Crown. Sweet as sugar.
Parsley, Double Curled. Very fine.
Peas, Little Marvel. Dwarf; early.
Pepper, Mammoth Ruby King. Mild; fleshy.
Radish, Scarlet Globe. Round; red.
Radish, Cincinnati Market. Long; red.
Salsify, Mammoth Sandwich Island. Fine.
Spinach, Bloomsdale Long-Standing. Early; tender
Tomato, Livingston's Globe. Best slicer.
Turnip, Purple-Top White Globe. Fine sort.
Sweet Peas, Livingston's Special Mixture. (Free.)

NO SUBSTITUTIONS PERMITTED ON ABOVE COLLECTION

WE HAVE HUNDREDS OF SATISFIED CUSTOMERS LIKE THESE

Mrs. Etta McClurg, Mahoning County, Ohio, writes: *"I have used this dollar collection now for three years and think it wonderful."*

Frank L. Chachorski, Allegan County, Michigan, writes: *"This may sound like a daring statement, but if those who are doubtful could see the wonderful results I have had with your seeds this year they would be convinced that your seed products are the finest on the market."*

Will C. Foster, Holt County, Missouri, writes: *"Thanks for promptness and reliability during past few years of my dealings with you."*

J. F. Keeler, Dade County, Florida, writes: *"I have been planting Livingston's Seed for almost 70 years with satisfactory results."*

Mrs. George Gray, Beaver County, Pennsylvania, writes: *"I got both vegetable and flower seeds from you in the spring and they were by far the best seeds I bought."*

Edwin J. Miller, Du Page County, Illinois, writes: *"You will get all of our orders and must say Sure Crop Wax Beans are the best we have ever grown."*

R. R. DONNELLEY DEEPTONE & SONS CO., CHICAGO

Original Introducers of the Famous Oxheart Tomatoes.
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THE LIVINGSTON SEED CO.

Famous for Tomatoes

32-36 EAST SPRING ST. COLUMBUS OHIO